

Down East Microwave Inc.

Price list and Product Summary

JUNE, 2005

Web Site: <http://www.downeastmicrowave.com>

<u>Model #</u>	<u>Description</u>	<u>Price</u>
<u>6 Meter Products (50 - 54 MHz)</u>		
50-28	6M transverter assembled, 20 Watt, <1dBNF, High level mixer, 28MHz IF,	395.00
50-28CK	Complete kit version of 50-28.	295.00
50-28K	PC Board kit only, 300mW Output and same RX specs as 50-28.	170.00
50-28B	Assembled and tested PC board only, 300 mW output, same RX specs as 50-28	220.00
50-28HK	Hardware kit for 50-28K with machined heatsink, enclosure, and connectors	55.00
50-28RX	Receive converter version of 50-28 transverter in an enclosure. Assembled only	175.00
50-28PCB	50-28 Transverter PC board and documentation only.	30.00
X22.000	Standard 22.000 MHz crystal for 28MHz IF (included with transverter)	16.00
X24.000	Optional 24.000 MHz crystal for 26MHz IF = 50MHz (No charge for substitution)	16.00
50PA	20W <u>linear</u> PA 100 - 200mW Input, type "N" connectors, assembled	170.00
50PAK	20W <u>linear</u> PA PC Board kit without connectors and enclosure, 200mW Input	95.00
50PACK	20W PA complete kit with connectors, machined enclosure and heatsink	135.00
50PAPCB	20W PA PCB and documentation of 50PA	15.00
6MLNA	50MHz GaAs FET pre amp., 18dBG, < 0.7dBNF, RX only! BNC connectors. Assembled.	65.00
6MLNA-2N	50MHz GaAs FET pre amp., 18dBG, < 0.7dBNF, RX only! Type "N" connectors. Assembled	75.00
6MLNACK	Complete Kit version of 6MLNA with BNC connectors and machined die cast enclosure	35.00
6MLNAK	PC Board kit of 6MLNA without enclosure, Feed-thru capacitor or connectors	25.00
6MLNAPCB	PCB and documentation of 6MLNAK	12.00
<i>For other related products consult the Accessories listing</i>		
<u>2 Meter Products (144 - 148 MHz)</u>		
144-28	2M transverter assembled, 25W, <1.0dBNF, High level mixer, 28MHz IF	395.00
144-28CK	Complete kit of 144-28 with all connectors, machined enclosure, and heatsink	295.00
144-28K	PC Board kit only, 300mW Output and same RX specs as 144-28.	170.00
144-28B	Assembled and tested PC Board only, 300mW Output.	240.00
144-28HK	Hardware kit with connectors machined enclosure and heatsink	55.00
144-28PCB	144-28 Transverter PC Board and documentation	30.00
144-28RX	Receive only version of 144-28. Assembled only.	175.00
144-28HP	60W version of our 144MHz transverter, Custom Built to your specifications.	Base price 589.00
144-28INT	NEW To convert 2M IF Microwave Transverters to 28MHz IF – Assembled.	230.00
144-28INTC	NEW To convert 2M IF Microwave Transverters to 28MHz IF - Complete Kit.	170.00
144-28FRS	10mW, Low Gain, 144MHz Assembled Transverter PCB for Flex Radio SDR-1000	165.00
144-28FRSK	10mW, Low Gain, 144MHz Transverter PCB Kit for Flex Radio SDR-1000	130.00
144-28ECK	10mW, Low Gain, 144MHz Transverter kit for Elecraft K2 w/ interface	150.00
TIK2	Universal Transverter Interface for Elecraft K2 transceiver, kit only!	30.00
EKTI	Transverter Interface for Elecraft K2 transceiver	15.00
X116.000	Standard 116 MHz crystal for 28MHz IF = 144MHz RF (included with transverter)	16.00
X118.000	Optional 118 MHz crystal for 26MHz IF = 144MHz RF (No charge for substitution)	16.00
X120.000	Optional 120 MHz crystal for 24 MHz IF = 144 MHz RF (No charge for substitution)	16.00
144PA	30W linear 144MHz Power amp., 50mW Input, no TR switch Assembled	170.00
144PACK	30W linear 144MHz Power amp., 50mW Input, no TR switch Complete kit	135.00
144PAK	30W linear 144MHz Power amp., 50mW Input, PC Board level kit (no hardware or enclosure)	85.00
144PAPCB	PC Board and documentation of 144PA.	15.00
PA-10	1-10W input option for 144PA assembled amplifier, factory installed (need to specify input level)	30.00
144LNA	144MHz GaAs FET pre amp., 18dBG, <0.7dBNF, RX only! BNC connectors, assembled.	65.00
144LNA-1N	144MHz GaAs FET pre amp., 18dBG, <0.7dBNF, RX only! Type "N" conn. on Input, assembled	70.00
144LNA-2N	144MHz GaAs FET pre amp., 18dBG, <0.7dBNF, RX only! 2 Type "N" connectors, assembled	75.00
VHFLNACK	144MHz GaAs FET pre amp., 18dBG, <0.7dBNF, RX only! Complete kit with BNC connectors	35.00
VHFLNACK-1N	144MHz GaAs FET pre amp., 18dBG, <0.7dBNF, RX only! Complete kit w/ Type "N" Conn. on Input	40.00
VHFLNACK-2N	144MHz GaAs FET pre amp., 18dBG, <0.7dBNF, RX only! Complete kit with 2 Type "N" conn.	45.00
VHFLNAK	PC Board kit of 144LNA without enclosure, connectors or Feed-thru capacitor	25.00
VHFLNAPCB	PC Board and documentation of 144LNA	12.00
144LNAWP	144MHz GaAs FET pre amp., 18dBG, <0.7dBNF, RX only! WP enclosure Type "N" Conn.	100.00
<i>For other related products consult the Accessories listing.</i>		

* Verify price before ordering.

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<i>Model #</i>	<i>Description</i>	<i>Price</i>
<u>1.25M Products (219 -225 MHz)</u>		
222-28	222 MHz. transverter assembled, 25W, <1.0dBNF, High level mixer, 28MHz IF	395.00
222-28CK	Complete Kit Version of 222-28 with all connectors, machined enclosure and heatsink	295.00
222-28K	PC Board kit only, 300mW Output and same RX specs as 222-28.	170.00
222-28B	Assembled and tested PCB, no hardware, enclosure or power module	220.00
222-28RX	Receive only version of 222-28 transverter, assembled only	175.00
222-28HK	Hardware kit with machined enclosure and heatsink	55.00
222-28PCB	222-28 Transverter PCB and documentation.	30.00
X194.000	Standard 194.00 MHz crystal for 28MHz IF (included with transverter)	18.00
X195.000	195.00 MHz crystal for full band coverage with 27 - 30 MHz IF(No charge for substitution)	18.00
222PA	30W linear 222MHz Power amp., 50mW Input, no TR switch Assembled	170.00
222PACK	30W linear 222MHz Power amp., 50mW Input, no TR switch Complete Kit	135.00
222PAK	30W linear 222MHz Power amp., 50mW Input, no TR switch PC Board kit (no hardware)	85.00
222PAPCB	PC Board and documentation of 222PA.	15.00
PA-10	1-10W input option for 222PA assembled amplifier, factory installed (need to specify input level)	30.00
222LNA	222MHz GaAs FET pre amp., 18dBG, <0.7dBNF, RX only! BNC connectors. Assembled.	65.00
222LNA-1N	222MHz GaAs FET pre amp., 18dBG, <0.7dBNF, RX only! Type "N" connector on Input	70.00
222LNA-2N	222MHz GaAs FET pre amp., 18dBG, <0.7dBNF, RX only! 2 Type "N" connectors	75.00
VHFLNACK	222MHz GaAs FET pre amp., 18dBG, <0.7dBNF, RX only! Complete kit with BNC connectors	35.00
VHFLNACK-1N	222MHz GaAs FET pre amp., 18dBG, <0.7dBNF, RX only! Complete kit w/ Type "N" Conn. on Input	40.00
VHFLNACK-2N	222MHz GaAs FET pre amp., 18dBG, <0.7dBNF, RX only! Complete kit with 2 Type "N" conn.	45.00
VHFLNAK	PC Board kit of 222LNA without enclosure, connectors or Feed-thru capacitor	25.00
VHFLNAPCB	PC Board and documentation of 222LNA.	12.00
222LNAWP	222MHz GaAs FET pre amp., 18dBG, <0.7dBNF, RX only! WP enclosure Type "N" Conn.	100.00
219LNAWP	219MHz GaAs FET pre amp., 18dBG, <0.7dBNF, RX only! WP enclosure Type "N" Conn.	100.00
<i>For other related products consult the Accessories listing</i>		
<u>70 cm Products (430-450)</u>		
432-28HP	432 MHz. transverter assembled, 50W output, <0.7dBNF, 28MHz IF	Base Price 589.00
432-28	432MHz transverter assembled, 10W output, <0.7dBNF 28MHz IF.	375.00
432-28CK	432MHz transverter complete kit. 10W output, <0.7dBNF with enclosure and hardware.	285.00
432-28LP	432MHz transverter assembled, 10mW output, <0.7dBNF 28MHz IF.	330.00
432-28LPCK	432MHz transverter complete kit. 10mW output, <0.7dBNF with enclosure and hardware.	240.00
432-28K	432MHz transverter PC Board kit. 10mW, w/out hardware, enclosure, or power module.	180.00
432-28B	432 MHz. transverter Assembled PC Board, 10mW output, <0.7dBNF, 28MHz	250.00
432-28HK	Hardware kit with connectors, machined enclosure and heat sink for 432-28 and 432-28LP.	60.00
432-28PCB	432-28 Transverter PCB and documentation.	50.00
X101.000	101.000 MHz crystal for 432 MHz operation = 28MHz (included with transverter)	16.00
X101.750	101.750 MHz crystal for 435 MHz operation = 28MHz (No charge substitution at time of order)	16.00
7010PA	70 cm, 10W <u>linear</u> Power amplifier, 50mW input, 13.8 V, assembled, no T/R switch	147.00
7010PACK	70 cm, 10W <u>linear</u> Power amplifier 50mW input, 13.8 V, no T/R switch, Complete Kit	112.00
7010PAK	70 cm, 10W <u>linear</u> Power amplifier 50mW input, 13.8 V, PC Board kit (no hardware)	62.00
7010PAPCB	PC Board and documentation of 7010PA	15.00
70ULNA	432MHz GaAs FET LNA, <0.4dBNF, 17dBG, RX only! type "N" Conn., assem. only! For EME use.	140.00
70LNA	432MHz GaAs FET pre amp., <0.7dBNF, 17dBG, RX only! BNC connectors, assembled.	65.00
70LNA-1N	432MHz GaAs FET pre amp., <0.7dBNF, 17dBG, RX only! Type "N" connector on input only	70.00
70LNA-2N	432MHz GaAs FET pre amp., <0.7dBNF, 17dBG, RX only! 2 Type "N" connectors	75.00
70LNACK	Complete kit version of 70LNA with BNC connectors and machined die cast enclosure	35.00
70LNACK-1N	Complete kit version of 70LNA with Type "N" connector on input only	40.00
70LNACK-2N	Complete kit version of 70LNA with Type "N" connectors	45.00
70LNAK	PC Board kit of 70LNA, no enclosure or connectors	25.00
70LNAPCB	PC Board and documentation of 70LNA	12.00
70LNAWP	432MHz GaAs FET LNA., <0.7dBNF, 17dBG, RX only! Weather proof. "N" conn, assembled only.	100.00
<i>For other related products consult the Accessories listing</i>		

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<i>Model #</i>	<i>Description</i>	<i>Price</i>
<u>33 cm Products (902 -928 MHz)</u>		
902-144HP3	902 MHz transverter assembled, 30W out, <1.5dBNF, 144MHz IF, Separate TX/ RX	Base Price 565.00
902-144HP6	902 MHz transverter assembled, 60W out, <1.5dBNF, 144MHz IF, Separate TX/ RX	Base Price 750.00
COMMRF-OPT	<i>Common RF option for 900MHZ High Power transverters, factory installed only</i>	<i>60.00</i>
902-144	902MHz transverter, 10W, High Dynamic Range, <1.5dBNF, 144 MHz. IF.	395.00
902-144CK	902MHz transverter, 10W, <1.5dBNF, 144 MHz IF, Complete kit , with conn. & enclosure	295.00
902-144K	PC Board kit of 902-144, 10 mW output , without hardware or power amplifier module.	195.00
902-144B	Assembled and tested 902-144 PC Board on pallet, no hardware or power amplifier module.	275.00
903-144HP3	903 MHz transverter assembled, 30W out, <1.5dBNF, 144MHz IF, Separate TX/ RX	Base Price 565.00
903-144HP6	903 MHz transverter assembled, 60W out, <1.5dBNF, 144MHz IF, Separate TX/ RX	Base Price 750.00
903-144	903MHz transverter, 10W, High Dynamic Range, <1.5dBNF, 144 MHz. IF.	395.00
903-144CK	903MHz transverter, 10W, <1.5dBNF, 144 MHz IF, Complete kit , with conn. & enclosure	295.00
903-144K	PC Board kit of 903-144, 10 mW output, without hardware or power amplifier module.	195.00
903-144B	Assembled and tested 903-144 PC Board.	220.00
902-28HP3	902 MHz transverter assembled, 30W out, <1.5dBNF, 28MHz IF, Separate TX/ RX	Base Price 565.00
902-28HP6	902 MHz transverter assembled, 60W out, <1.5dBNF, 28MHz IF, Separate TX/ RX	Base Price 750.00
902-28	902MHz transverter, 10W, High Dynamic Range, <1.5dBNF, 28 MHz. IF.	395.00
902-28CK	902MHz transverter, 10W, <1.5dBNF, 28 MHz IF, Complete kit , with conn. & enclosure	295.00
902-28K	PC Board kit of 902-28, without hardware or power amplifier module, 10 mW output	195.00
902-28B	Assembled and tested 902-28 PC Board.	220.00
90X-144HK	Hardware kit with connectors and machined enclosure.	75.00
90X-144PCB	PC Board and documentation of 900MHz transverter.	50.00
*****Low power vesions of all 33cm transverters available. Please call*****		
X189.750	189.750 MHz crystal for 903 operation with 144 MHz IF(Included with transverter)	18.00
X189.500	189.500 MHz crystal for 902 operation with 144 MHz IF (can be substituted)	18.00
3310PA	10W linear amplifier, 10 mW input, assembled, adjustable gain.	120.00
3310PACK	10W linear amplifier complete kit of 3310PA with machined enclosure and heatsink.	80.00
3310PAK	PC Board kit of 3310PA, without enclosure and heatsink.	55.00
3310PAPCB	PC Board and documentation of 3310PA.	15.00
3340PA	40 watts 33cm Linear Power Amplifier Assembled, 10 mW input, 12 VDC, N connectors only	220.00
3340PACK	40 watts 33cm Linear Power Amplifier Complete Kit 10 mW input, 12 VDC, N connectors only	175.00
3340PAK	40 watts 33cm Linear Power Amplifier PC Board Kit 10 mW input, 12 VDC	125.00
3370PA	70 watts 33cm Linear Power Amplifier Assembled, 20 mw input, 12 VDC, N connectors only	400.00
3370PAS	70 watts 33cm Linear Power Amplifier Assembled, 20 mw input, 12VDC, N conn. w/ T/R switch	520.00
3370PAHS	70 watts 33cm Linear Power Amplifier Assembled, 20 mw input, 12 VDC, N conn. Lg HS Version	450.00
PA-10	1-10W input option for 3340PA/3370PA assembled amp. factory installed (specify input level)	30.00
33LNA	33cm GaAs FET pre-amplifier, <0.7dBNF, 16dBG, SMA connectors, assembled, RX only!	65.00
33LNA-1N	33cm GaAs FET pre-amplifier, <0.7dBNF, 16dBG with Type "N" connectors on input.	70.00
33LNA-2N	33cm GaAs FET pre-amplifier, <0.7dBNF, 16dBG with Type "N" connectors.	75.00
33LNACK	Complete Kit version of 33LNA, with SMA connectors, machined die cast enclosure.	40.00
33LNACK-1N	Complete Kit version of 33LNA with Type "N" connector on input.	45.00
33LNACK-2N	Complete Kit version of 33LNA with 2 Type "N" connectors.	50.00
33LNAK	PC Board kit of 33LNA, no enclosure or connectors.	25.00
33LNAPCB	PC Board and documentation of 33LNA	12.00
915LNA	High IP3, 33cm LNA, Weatherproof, <0.7dBNF, >16dBG, DC Coax, Type N connectors	120.00
915LNAFT	High IP3, 33cm LNA, Weatherproof, <0.7dBNF, >16dBG, Feed-Thru, Type N connectors	120.00
915LNAH	High IP3, 33cm LNA, Weatherproof, <0.7dBNF, >25dBG, DC Coax, Type N connectors	150.00
915LNAHFT	High IP3, 33cm LNA, Weatherproof, <0.7dBNF, >25dBG, Feed-Thru, Type N connectors	150.00
33LNAWPQ	33cm ATV LNA, High IP3, <0.7dBNF, >13dBG, DC Coax	120.00
33ULNA	33cm PHEMT preamplifier, <0.4dBNF, >17dBG. Type "N", weatherproof, assembled only	140.00
<i>For other related products consult the Accessories listing</i>		

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Model #	Description	Price
<u>23 cm Products (1240 - 1300 MHz)</u>		
1296-144HP2	1296 MHz transverter assembled, 25W out, <1.5dBNF, 144MHz IF, Separate TX/ RX	Base Price 565.00
1296-144HP5	1296 MHz transverter assembled, 50W out, <1.5dBNF, 144MHz IF, Separate TX/ RX	Base Price 750.00
COMMRF-OPT	Common RF option for 1296MHZ High Power transverters, factory installed only	60.00
1296-144	1296 MHz transverter, 3W output, High Dynamic Range, <1.5dBNF, split 144MHz IF w/ T/R	395.00
1296-144LP	1296 MHz transverter, 20mW, High Dynamic Range, <1.5dBNF, split 144MHz IF w/ T/R	330.00
1296-144CK	Complete kit of the 1296-144 with connectors, machined enclosure and power amp. module	295.00
1296-144LC	Complete kit of the 1296-144LP with connectors and machined enclosure.	230.00
1296-144K	PCB kit of the 1296-144, without hardware or power amplifier module	190.00
1296-144B	Assembled and tested 1296-144 PCB on pallet, no hardware or power amplifier module	275.00
1296-144HK	Hardware kit with machined enclosure	75.00
1296-144PCB	PC Board and documentation of 1296-144	50.00
1296-28HP2	1296 MHz transverter assembled, 25W out, <1.5dBNF, 28MHz IF, Separate TX/ RX	Base Price 565.00
1296-28HP5	1296 MHz transverter assembled, 50W out, <1.5dBNF, 28MHz IF, Separate TX/ RX	Base Price 750.00
1296-28	1296 MHz transverter, 3W output, High Dynamic Range, <1.5dBNF, split 28MHz IF w/ T/R	395.00
1296-28LP	1296 MHz transverter, 20mW, High Dynamic Range, <1.5dBNF, split 28MHz IF w/ T/R	330.00
1296-28CK	Complete kit of the 1296-28 with connectors, machined enclosure and power amp. module	295.00
1296-28LC	Complete kit of the 1296-28LP with connectors and machined enclosure.	230.00
1296-28K	PCB kit of the 1296-28, without hardware or power amplifier module	190.00
1296-28B	Assembled and tested 1296-28 PCB on pallet, no hardware or power amplifier module	275.00
1296-28HK	Hardware kit with machined enclosure	75.00
1296-28PCB	PC Board and documentation of 1296-28	50.00
1268-144TX	1268MHz up-converter only. 144 IF, 3W output. Assembled	345.00
1268-144TL	1268MHz up-converter, 144MHz IF, 20mW output. Assembled	280.00
1268-144TC	1268MHz up-converter, 144MHz IF, 3W output, complete kit	265.00
1268-14TLC	1268MHz up-converter, 144MHz IF, 20mW output, complete kit	200.00
1268-144TK	1268MHz up-converter, 144MHz IF, 20mW PC Board Kit	160.00
	28 MHz. IF available for all 1268 TX converters	
X192.000	Standard 192.000 MHz crystal for 1296 MHz operation (included in all kits)	18.00
2318PA	18W 23cm linear Power amplifier, 0.75W input, assembled. (M57762 hybrid)	200.00
2318PAHS	18W 23cm linear Power amplifier, 0.75W input, assembled with ATV/repeater heatsink	220.00
2318PALD	18W 23cm linear Power amplifier, 50mW input, assembled	230.00
2318PALDHS	18W 23cm linear Power amplifier, 50mW input, assembled with ATV/repeater heatsink	250.00
2318PACK	Complete kit of 2318PA with connectors, machined enclosure and heatsink	165.00
2318PALDCK	Complete kit version of 2318PALD with connectors, machined enclosure and heatsink	190.00
2318PALDHC	Complete kit version of 2318PALDHS with connectors, machined enclosure and heatsink	210.00
2318PAK	PCB kit version of 2318PA, without connectors and enclosure	125.00
2318PAPCB	PCB and documentation of 2318PA	15.00
2330PA	30W linear amplifier, 25mW input, assembled only	200.00
2330PACK	Complete kit of 2330PA with connectors, machined enclosure and heatsink	165.00
2330PAK	PCB kit version of 2330PA, without connectors and enclosure	125.00
2340PA	35W linear amplifier, 1.5W input, assembled only.(2X M57762)	410.00
2340PAS	35W linear amplifier, 1.5W input with T/R switch, assembled only.	520.00
2340PAHS	35W linear amplifier, 1.5W input with ATV/repeater heatsink, assembled only	430.00
2340PASHS	35W linear amplifier, 1.5W input T/R switch and ATV/repeater heatsink, assembled only	550.00
2360PA	60W linear amplifier, 150mW input, assembled only	400.00
2360PAHS	60W linear amplifier, 150mW input, assembled only with heavy duty heat sink	450.00
2360PAS	60W linear amplifier, 150mW input with T/R switch, assembled only	520.00
2370PA	65W linear amplifier, 4W input, assembled only. (4X M57762)	795.00
2370PAS	65W linear amplifier, 4W input with T/R switch, assembled only	915.00
2370PAHS	65W linear amplifier, 4W input with ATV/repeater heatsink, assembled only	845.00
2370PASHS	65W linear amplifier, 4W input with T/R switch and ATV/repeater heatsink, assembled only	965.00
23120PA	120W linear amplifier, assembled only	Base Price 795.00
TRANS-OPT	Transceiver option for the 23120PA factory installed only	75.00
PA-10	1-10W input attenuator option for all amplifiers, factory installed (need to specify input level)	30.00
23ULNA	23m PHEMT preamplifier, <0.4dBNF, >17dBG. Type "N", weatherproof, assembled. RX only	140.00

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23ULNACK	Complete kit version of 23ULNA, with enclosure and connectors	90.00
23LNA	23cm GaAs FET pre amplifier, <0.7dBNF, 16dBG, SMA connectors, assembled. RX only!	65.00
23LNA-1N	23cm GaAs FET pre amplifier, <0.7dBNF, 16dBG with type "N" connector on input.	70.00
23LNA-2N	23cm GaAs FET pre amplifier, <0.7dBNF, 16dBG with type "N" connectors	75.00
23LNACK	Complete kit version of 23LNA, with SMA connectors and drilled die cast enclosure	40.00
23LNACK-1N	Complete kit version of 23LNA, with type "N" connector on input	45.00
23LNACK-2N	Complete kit version of 23LNA, with type "N" connectors	50.00
23LNAK	PC Board kit of 23LNA, with no enclosure or connectors	25.00
23LNAPCB	PC Board and documentation of 23LNA	12.00
1296LNA	High IP3, 23cm LNA, Weatherproof, <0.7dBNF, >16dBG, DC Coax, Type N connector.	120.00
1296LNAFT	High IP3, 23cm LNA, Weatherproof, <0.7dBNF, >16dBG, Feed-Thru, Type N connector.	120.00
1296LNAH	High IP3, 23cm LNA, Weatherproof, <0.7dBNF, >25dBG, DC Coax, Type N connector.	150.00
1296LNAHFT	High IP3, 23cm LNA, Weatherproof, <0.7dBNF, >25dBG, DC Coax, Type N connector.	150.00
23LNAWPQ	High IP3, 23cm ATV LNA, Weatherproof, <0.7dBNF, >13dBG, DC Coax, Type N connector.	120.00
WSS1296	1296.1 MHz signal source, assembled and tested in a enclosure	120.00
WSS1296B	Assembled and tested PCB only of WSS1296.	90.00
WSS1296K	PCB kit version of WSS1296.	65.00
WSS1296PCB	PCB and documentation of WSS1296.	20.00
X108.00833	Standard 108.00833 MHz crystal for WSS1296	18.00

For other related products consult the Accessories listing

Commercial and non HAM band Products

1691LNA	High IP3, 1691MHz LNA, Weatherproof <0.7dBNF, >16dBG, DC Coax, Type "N" connector.	120.00
1691LNAFT	High IP3, 1691MHz LNA, Weatherproof <0.7dBNF, >16dBG, Feed-Thru, Type "N" connector.	120.00
1691LNAH	High IP3, 1691MHz LNA, Weatherproof <0.7dBNF, >25dBG, DC Coax, Type "N" connector.	150.00
1691LNAHFT	High IP3, 1691MHz LNA, Weatherproof <0.7dBNF, >25dBG, DC Coax, Type "N" connector.	150.00
WEFAXLNA	GaAs FET 1691MHz LNA, <0.9dBNF, 14dBG, SMA connectors, assembled, not Weatherproof.	65.00
WEFAXLNA-1	GaAs FET 1691MHz LNA, <0.9dBNF, 14dBG with Type "N" connector on input, SMA on output	70.00
WEFAXLNA-2	GaAs FET 1691MHz LNA, <0.9dBNF, 14dBG with 2 Type "N" connectors	75.00
1691ULNA	PHEMT 1691MHz LNA, <0.4dBNF 15dBG, Weatherproof and type "N" connectors	140.00
12LNA	2.4-2.7GHz Low noise Amp., Weatherproof, 21dB Gain, <2.0dB NF, Type "N" conn, DC on Coax	85.00
12LNAFT	2.4-2.7GHz LNA., Weatherproof, 21dB Gain, <2.0dB NF, Type "N" conn, Feed thru for DC Power	85.00
14LNA	1.7-2.2GHz Low noise Amp. Weatherproof, 21dB Gain, <2.0dB NF, Type "N" conn., DC on Coax	85.00
14LNAFT	1.7-2.2GHz LNA. Weatherproof, 21dB Gain, <2.0dB NF, Type "N" conn., Feed thru for DC Coax	85.00
1420ULNA	PHEMT, <0.4dBNF >16dBG, 1420 MHz. RX only! Weatherproof and type "N" connectors.	140.00
1400LNA	1.40-1.45 GHz, GaAs FET pre amp, <0.8dBNF, 15dBG, SMA conn, assembled. RX only!	65.00
1400LNA-1N	1.40-1.45 GHz, GaAs FET pre amplifier, <0.8dBNF, 15dBG with type "N" connector on input.	70.00
1400LNA-2N	1.40-1.45 GHz, GaAs FET pre amplifier, <0.8dBNF, 15dBG with type "N" connectors.	75.00
1420LNA	High IP3, 1350-1500MHz LNA, <0.7dBNF, >15dBG, DC Coax, Type "N" connectors.	120.00
1420LNAH	High IP3, 1350-1500MHz LNA, <0.7dBNF, >25dBG, DC Coax, Type "N" connectors.	150.00
WSS1420	1420 MHz weak signal source assembled and tested in a enclosure.	120.00
WSS1420B	1420 MHz weak signal source assembled and tested PC Board only.	85.00
WSS1420K	1420 MHz weak signal source kit only.	60.00
1500ULNA	1500MHz PHEMT LNA, <0.4dBNF, >16dBG. Weatherproof and type "N" connectors.	140.00
1500LNA	1.50-1.55 GHz, GaAs FET pre amp, <0.8dBNF, >14dBG, SMA conn, assembled. RX only!	65.00
1500LNA-1N	1.50-1.55 GHz, GaAs FET pre amplifier, <0.8dBNF, >14dBG with type "N" connector on input.	70.00
1500LNA-2N	1.50-1.55 GHz, GaAs FET pre amplifier, <0.8dBNF, >14dBG with 2 type "N" connectors.	75.00
1520LNA	High IP3, 1500-1650MHz LNA, <0.8dBNF, >15dBG, Weatherproof, DC Coax, Type "N" Connector	120.00
1520LNAH	High IP3, 1500-1650MHz LNA, <0.8dBNF, >25dBG, Weatherproof, DC Coax, Type "N" Connector	150.00
137LNA	137 MHz. GaAs FET pre amp., 17dBG, <0.7dBNF, RX only, BNC connectors, assembled.	65.00
137LNA-1N	137 MHz. GaAs FET pre amp., 17dBG, <0.7dBNF, RX only Type "N" connectors on Input	70.00
137LNA-2N	137 MHz. GaAs FET pre amp., 17dBG, <0.7dBNF, RX only 2 Type "N" connectors.	75.00
137LNAWP	Weatherproof version of 137LNA with type "N" connectors.	100.00
137LNACK	Complete Kit of GaAs FET pre amp., 17dBG, <0.7dBNF, RX, BNC connectors.	35.00
137LNACK-1N	Complete Kit of GaAs FET pre amp., 17dBG, <0.7dBNF, RX, 1 type "N" connector on Input.	40.00
137LNACK-2N	Complete Kit of GaAs FET pre amp., 17dBG, <0.7dBNF, RX, 2 type "N" connector.	45.00

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<i>Model #</i>	<i>Description</i>	<i>Price</i>
137LNAK	PC Board kit of 137LNA without enclosure or connectors.	25.00
137LNAPCB	PC Board and documentation of 137LNA	12.00
836LNA	High IP3 800-900MHz LNA <0.6dBNF, >16dBG, Weatherproof, DC Coax, Type "N" conn.	120.00
836LNAH	High IP3 800-900MHz LNA <0.6dBNF, >25dBG, Weatherproof, DC Coax, Type "N" conn.	150.00
1880LNA	High IP3 1750-1900MHz LNA <0.6dBNF, >16dBG, Weatherproof, DC Coax, Type "N" conn.	120.00
1880LNAH	High IP3 1750-1900MHz LNA <0.6dBNF, >25dBG, Weatherproof, DC Coax, Type "N" conn.	150.00
1960LNA	High IP3 1900-2100MHz LNA <0.6dBNF, >16dBG, Weatherproof, DC Coax, Type "N" conn.	120.00
1960LNAH	High IP3 1900-2100MHz LNA <0.6dBNF, >25dBG, Weatherproof, DC Coax, Type "N" conn.	150.00
2442LNA	High IP3 2100-2500MHz LNA <0.6dBNF, >12dBG, Weatherproof, DC Coax, Type "N" conn.	120.00
2442LNAH	High IP3 2100-2500MHz LNA <0.6dBNF, >25dBG, Weatherproof, DC Coax, Type "N" conn.	150.00
BT	Pre amp DC power inserter, >1 GHz, Type "N" (F) connectors	40.00
BTM	Pre amp DC power inserter, >1 GHz, Type "N" (M) on RF only side, "N" (F) on RF/DC side	45.00
BTL	Pre amp DC power inserter, <1 GHz	40.00
BTLM	Pre amp DC power inserter, <1 GHz, Type "N" (M) on RF only side, "N" (F) on RF/DC side	45.00

For other related products, consult the Accessories listing

13 cm Products (2300 - 2450 Mhz) and AO-40

2304-144	2304 MHz transverter, 1W, <2dBNF, 144 MHz IF, Separate TX/ RX ports.	400.00
2304-WTR	SMA relay and relay driver installed on 2304-144 only.	When available \$60.00
2304-144CK	Complete Kit of 2304 MHz transverter, 1W, <2dBNF, 144 MHz IF.	300.00
2304-144LP	2304 MHz xverter, >20 mW output, <2dBNF, 144MHz IF, Separate TX/RX SMA ports.	325.00
2304CK	Complete kit version of 2304-144LP, machined enclosure and SMA connectors.	235.00
2304K	PC Board kit of 2304-LP, (Transverter, LO and TC).	160.00
2304BK	2304 MHz Transverter Board only with parts.	85.00
2304HK	Hardware Kit with machine enclosure, end plates and pallet.	75.00
2304PCB	PC Board and documentation of 2304-144.	50.00
2304KUP	Upgrade kit for old style SHF2304K per Microwave Update 1996 with Document.	35.00
X180.000	Standard 180.000 MHz for 2304.0 = 144MHz operation.	18.00
2400-144RX	2400MHz Receive Converter, 144MHz IF, <1.0 dB NF, > 20dB Gain. , Assembled and tested unit,	225.00
X188.000	188.000 MHz Crystal for 2400 = 144 operation	18.00
1315PA	2.3-2.4GHz Linear Amp. 1W input, 15W output, assembled, Type "N" conn.	395.00
1315PASA	2.3-2.4GHz Linear Amp. 1W input, 15W output, assembled, SMA conn.	395.00
1315PACK	2.3-2.4GHz Linear Amp. 1W input, 15W output, Complete kit, Type "N" conn.	295.00
1315PACK-S	2.3-2.4GHz Linear Amp. 1W input, 15W output, Complete kit, SMA conn.	295.00
13ULNA	2.3-2.4 GHz PHEMT LNA WB5LUA design, <0.7dBNF, >17dBG Type "N" connector	120.00
13ULNASMA	2.3-2.4 GHz PHEMT LNA WB5LUA design, <0.7dBNF, >17dBG SMA connector.	120.00
13ULNACK	Complete Kit of 13ULNA with weatherproof enclosure and type "N" connectors.	85.00
13ULNACK-S	Complete Kit of 13ULNA with weatherproof enclosure and SMA connectors.	85.00
13ULNAK	2.3-2.4 GHz PHEMT LNA WB5LUA design, <0.7dBNF, >17dBG PC Board Kit.	45.00
13ULNAPCB	PC Board and documentation of 13ULNA.	20.00
13LNA	2.1-2.5GHz Low noise Amplifier, 21dB Gain, <2.0dB NF, Type "N" conn., DC on Coax	85.00
13LNAFT	2.1-2.5GHz LNA, 21dB Gain, <2.0dB NF, Type "N" conn., Feed thru for DC Coax	85.00
WSS1152	1152.030 MHz x2 = 2304.060 signal source. Assembled in die cast enclosure. SMA only.	120.00
WSS1152B	Assembled and tested PCB of WSS1152.	90.00
WSS1152CK	Complete Kit version of WSS1152.	90.00
WSS1152K	PCB kit version WSS1152 without enclosure.	65.00
WSS1152PCB	PCB and documentation of WSS1152.	20.00
X192.000	192.000 MHz crystal for 1152 MHz operation. Use for LO in 1296 Transverter.	18.00
X192.005	192.005 MHz crystal for 1152.03 MHz operation	18.00
WSS2401	1200.5 MHz x2 = 2401.000 signal source. Assembled in die cast enclosure. SMA only.	120.00
WSS2401B	Assembled and tested PCB of WSS2401.	90.00
WSS2401CK	Complete Kit version of 2401 MHz signal source.	90.00
WSS2401K	PC Board Kit version of 2401 MHz signal source.	65.00
WSS2401PCB	PC Board and Documentation of WSS2401.	20.00
X171.500	171.500 MHz crystal for 2401 MHz operation.	16.00

For other related products consult the Accessories listing

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<u>Model #</u>	<u>Description</u>	<u>Price</u>
<u>9 cm Products (3300 - 3480 MHz)</u>		
3456-144	3456 MHz transverter, 1W, <2dBNF, 144 MHz IF, Separate TX/ RX ports. SMA RF conns.	400.00
3456-144WTR	SMA relay and relay driver installed on 3456-144.	When available \$60.00
3456-144LP	3456 MHz transverter, 20mW, <2dBNF, 144MHz IF, Separate TX/ RX ports. SMA RF con.	325.00
3456-144CK	3456 MHz transverter, 1W, <2dBNF, 144MHz IF, Complete kit	300.00
3456CK	Complete kit version 3456-144LP, machined enclosure and SMA connectors.	235.00
3456K	PC Board kit of 3456-144, (includes transverter, LO and TC).	160.00
3456BK	3456 MHz Transverter Board only with components.	85.00
3456HK	Hardware kit with machine enclosure, end plates and pallet	75.00
3456PCB	Teflon PC Board and documentation of 3456-144.	50.00
3456KUP	Upgrade kit for old style SHF3456K per Microwave Update 1996 with Document.	35.00
X184.000	Standard 184.000 MHz crystal for 3456 MHz =144operation.	18.00
9ULNA	3.4GHz PHEMT LNA WB5LUA design, <0.8dBNF, >14dBG, Assem. Type "N" conn.	120.00
9ULNASMA	3.4GHz PHEMT LNA WB5LUA design, <0.8dBNF, >14dBG, Assem. SMA conn.	120.00
9ULNACK	Complete kit of 9ULNA with weatherproof enclosure and type "N" connectors.	85.00
9ULNACK-S	Complete kit of 9ULNA with weatherproof enclosure and SMA connectors.	85.00
9ULNAK	3.4GHz PHEMT LNA WB5LUA design, <0.8dBNF, >14dBG, PC Board Kit	45.00
9ULNAPCB	PC Board only of 9ULNA.	20.00
<i>For other related products consult the Accessories listing</i>		
<u>5 cm Products (5760 MHz)</u>		
5760-144	5760 transverter, 2W, <1.3dBNF, 144MHz IF, Separate TX/RX ports, SMA conn., assembled.	675.00
5760-WTR	SMA relay and relay driver installed on 5760-144 or 5760-144LP.	When available \$60.00
5760-144CK	5760 transverter, 2W, <1.3dBNF, 144MHz IF, Separate TX/RX ports, SMA conn, complete kit.	525.00
5760-144LP	5760 transverter, >10mW, <3.5dBNF, 144MHz IF, Separate TX/RX ports, SMA conn., assem.	360.00
5760CK	5760 xverter, >10mW, <3.5dBNF, 144MHz IF, Separate TX/RX ports, SMA conn, complete kit.	250.00
5760K	5760 transverter, >10mW, <3.5dBNF, 144MHz IF PCB kit with pallet (transverter, LO and TC).	210.00
5760PCB	Teflon PC Board and documentation only for 5760-144 transverter. <i>LP version only!</i>	50.00
5ULNA	5.7GHz PHEMT LNA WB5LUA design <0.9dBNF, >13dBG, SMA connectors.	120.00
5ULNACK	5.7GHz PHEMT LNA WB5LUA design <0.9dBNF, >13dBG, Complete Kit, SMA Conn	85.00
5ULNAK	5.7GHz PHEMT LNA WB5LUA design <0.9dBNF, >13dBG, PC Board Kit.	45.00
5ULNAPCB	5.7GHz PHEMT LNA WB5LUA design <0.9dBNF, >13dBG, PC Board only and documentation.	20.00
<i>For other related products consult the Accessories listing</i>		
<u>3 cm Products (10.4 GHz)</u>		
10368-144	10368MHz transverter, >2W, <1.5dBNF, 144MHz IF, SMA connectors, assembled.	675.00
10368-144LP	10368MHz transverter, >10 mW, <3dBNF, 144MHz IF, SMA connectors, assembled.	395.00
10368-WTR	SMA relay and relay driver installed on 10368-144.	When available \$60.00
10368-144CK	10GHz transverter, 2W, <1.5dBNF, 144MHz IF Complete kit.	525.00
10368CK	10GHz transverter, 5mW, <4dBNF, 144MHz IF Complete kit. LP version	275.00
10368K	10GHz transverter, 5mW, <4dBNF, 144MHz IF PC Board kit with pallet (transverter, LO and TC).	230.00
10368BK	10GHz Basic transverter, 5mW, <4dBNF PC Board kit only with pallet (without LO and TC).	145.00
10368HK	Hardware kit with machined enclosure, end plates, and connectors for LP versions.	45.00
10368PCB	10368-144 transverter 5mW, <4dBNF Teflon PC Board and documentation only.	75.00
3-2PA	10368MHz Power Amplifier, 2W output, 23dBG SMA, Assembled.	350.00
3-2PAT	10368MHz Power Amplifier, 2W output, 23dBG SMA, Assem. (For interfacing with 10368-144LP).	350.00
3-2PACK	10368MHz Power Amplifier, 2W output, 23dBG SMA, Complete kit on Heat Sink	275.00
3-2PATCK	10368MHz PA, 2W output, 23dBG SMA, Complete kit on plate to interface w/ 10368-144	275.00
3ULNA	W5LUA PHEMT design preamp. 1 stage, 13dBG, <1.0 dBNF Assembled, SMA conn only.	120.00
3ULNACK	W5LUA PHEMT design preamp. 1 stage, 13dBG, <1.0 dBNF complete kit, SMA conn only.	85.00
3ULNAK	W5LUA PHEMT design preamp. 1 stage, 13dBG, <1.0 dBNF PCB kit.	45.00
3ULNAPCB	PC Board of 3ULNA only.	20.00
3-2ULNA	10GHz PHEMT LNA W5LUA design 2 stage. 22dBG, <1.10 dBNF Assembled, SMA conn only	140.00
3-2ULNACK	W5LUA PHEMT design preamp. 2 stage, 22dBG, <1.10 dBNF complete kit, SMA conn only.	105.00
3-2ULNAK	W5LUA PHEMT design preamp. 2 stage, 22dBG, <1.10 dBNF PCB kit.	65.00
3-2ULNAPCB	PC Board of 3-2ULNA only.	20.00

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<i>Model #</i>	<i>Description</i>	<i>Price</i>
<u>Accessories for all DEM products</u>		
TC	Transverter control IF switch.10W input w/ adjustable atten. Assembled PC Board.	45.00
TCK	Transverter control IF switch.10W input w/ adjustable atten. PC Board Kit	35.00
TCPCB	Transverter Control PC Board and documentation.	12.00
TRS	4 Step, 8 I/O, TR sequencer, assembled in an enclosure.	95.00
TRSB	4 Step, 8 I/O, TR sequencer Assembled PC Board.	60.00
TRSK	4 Step, 8 I/O, TR sequencer PC Board kit.	35.00
TRSCK	4 Step, 8 I/O, TR sequencer Complete kit (includes hardware and enclosure).	60.00
TRSHK	TR Sequencer enclosure and hardware kit.	25.00
TRSPCB	TR Sequencer PC Board and documentation.	15.00
PTT-X5K	5 Circuit "Push to Talk" buffer. PC Board Kit	25.00
PTT-X5PCB	5 Circuit "Push to Talk" buffer. PC Board.	10.00
RFPMK	10 step bar graph current driven power meter kit.	20.00
RVD-1	28V relay driver, requires 12V, kit Only!	10.00
UTR-12	12V PCB mount RF relay, 5 watts @ 1.3 GHz max without connectors.	10.00
MICROLO	Microwave Transverter LO, 1070-1140MHz, Xtal freq. dependent, +3dBm, 9V.	120.00
MICROLOB	Assembled and tested PCB of MICROLO.	90.00
MICROLOCK	Complete Kit version of MICROLO.	90.00
MICROLOK	Microwave Transverter LO kit, 1070-1140MHz, Xtal freq. dependent, +3dBm, 9V. PC Board kit.	65.00
MICROLOPCB	Local Oscillator PC Board and documentation of MICROLOK.	20.00
AOS-28	RF sensed solid state T/R switch with built in 25W attenuator , 28MHz.	70.00
AOS-144	RF sensed solid state T/R switch with built in 25W attenuator, 144MHz.	80.00
TIB	Interfaces xverters to Transceivers without Xverter port, Assembled w/ enclosure	75.00
TIBCK	Complete kit version of TIB.	50.00
TIBK	PC Board kit version of TIB.	25.00
TIBHK	Hardware kit and enclosure of TIB.	25.00
TIBPCB	Printed Circuit Board and documentation of TIB.	15.00
TIB850	Transverter interface designed for the Kenwood TS850	75.00
TIB850CK	Complete kit version of TIB850.	50.00
TIB850K	PC Board kit version of TIB850.	25.00
TIB850HK	Hardware kit and enclosure of TIB850.	25.00
TIB850PCB	Printed Circuit Board and documentation of TIB850.	15.00
MMICK	MMIC amp. PCB kit. Specify MMIC type(MAR series only. Specify 1,2,3,4,6 or MAV11)	10.00
MMICPCB	Universal wide band amplifier PC Board used with MAR series only	5.00
MMICKE1	2 stage MMIC Teflon PC Board kit with two ERA-1	14.00
MMICKE2	2 stage MMIC Teflon PC Board kit with two ERA-2	14.00
MMICKE5	2 stage MMIC Teflon PC Board kit with one ERA-5	14.00
MMICKS6	2 stage MMIC Teflon PC Board kit with one SGA-6286	14.00
MMICKMGA	2 stage MMIC Teflon PC Board kit with one MGA86576	18.00
MMICTEF	2 stage Teflon PC Board used with ERA series and MGA86576 MMIC's	6.00
BT	Pre amp DC power inserter, >1 GHz	40.00
BTM	Pre amp DC power inserter, >1 GHz, Type "N" (M) on RF only side, "N" (F) on RF/DC side	45.00
BTL	Pre amp DC power inserter, <1 GHz	40.00
BTLM	Pre amp DC power inserter, <1 GHz, Type "N" (M) on RF only side, "N" (F) on RF/DC side	45.00
SSBT	Safety Switch Bias Tee, Type N (M) on Input and Type N (F) on output; 50 Watts	65.00
TIC-KEN	Transverter interconnect cables for Kenwood 830 and 430 (\$30.00 with transverter order)	40.00
DN001K	Higher Receive IP3 MOD for 6M-70CM transverter. For pre-year 2000 units.	10.00
DN002HK	Higher Receive IP3 MOD 33CM and above Preamplifier. For pre-year 2000 units.	10.00
DN002LK	Higher Receive IP3 MOD 6M-70CM Preamplifier. For pre-year 2000 units.	10.00
DN003K	1296-144 Exc. LO Feed through power MOD. For pre-year 2000 units.	35.00
DN005K	Higher Receive IP3 MOD for 903 and 1296 MHz transverters. For pre-year 2000 units.	10.00

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Coaxial Cable, Coaxial assembly's, and Phasing lines		
UT085C	Conformable .085 inch cable, Beldon 1671A	1.00/ft
UT215	Semi-rigid 0.215" outside dia., 50 ohms	2.00/ft
UT250	Semi-rigid 0.250" outside dia., 50 ohms	1.25/in
RCACABLE	Double RCA cable 3' long	1.00
BNCCAB-1	Double BNC, RG58 cable 1' long	5.00
BNCCAB-3	Double BNC, RG58 cable 3' long	6.00
BNCCAB-6	Double BNC, RG58 cable 6' long	7.50
	Surplus cable assembly's of UT141. Call for price and availability.	
Connectors		
N3/4-F	Type "N", female, 4 hole, 3/4" flange mount	7.00
N3/4-M	Type "N", male, 4 hole, 3/4" flange mount	15.00
NPANEL-F	Type "N", female, 4 hole, large	2.50
BNCPANEL	BNC, female, 1 hole mount, 3/8" dia.	1.00
SMA141-M	SMA, male, to UT-141,	1.00
SMAPLAT-F	SMA, female, 4 hole plated brass flange, solderable with gold pin	2.50
SMA3/4-F	SMA, Female, 4 hole, 3/4 flange, solderable, 0.050" dia. gold pin	4.50
SMAPANEL	SMA, female, 1 hole mount	2.50
ADAPT-2SM	SMA double male	2.50
ADAPT-2SF	SMA double female	2.50
ADAPT-2NF	Type "N", double female adapter	5.00
ADAPT-2NM	Type "N", double male adapter	5.00
ADAPT-2NR	Type "N", female - male right angle adapter	5.00
RCA-BNC	RCA(M) to BNC(F) adapter	2.00
RCA-J	RCA Jack with ground lug, 1/4" panel	1.00
RCA-P	RCA Plug with metal shield	1.00
UHF-N	UHF(M) to Type "N" (F) adapter	6.00
N-UHF	Type "N" (M) to UHF(F) adapter	6.00
UHF-BNC	UHF(M) to BNC(F) adapter	5.00
BNC-UHF	BNC(M) to UHF(F) adapter	5.00
Relays and coaxial products		
CX1054A	Tohtsu CX1054A, 100W at 1 GHz, 34dB isolation, type "N" Connector.	60.00
CX520D	Tohtsu CX520D, 250W at 1 GHz, 46 dB isolation, type "N" Connector, 12V.	85.00
CX-600NL	Tohtsu CX-600NL, T/R switch, 1.5KW at 500 MHz, 30dB isolation, type "N" connectors, 12V	85.00
CX-800N	Tohtsu CX-800N, T/R switch, Type "N" Conn., 12V, DPDT, 1KW CW @ 150MHz, 48dB iso.	135.00
CZX-3500	Tohtsu CX-3500, microwave relay, 60dB isolation at 3 GHz, type "N" connectors, 12V	105.00
SMARLY	SMA relays used, Transco or equiv., tested @ 10 GHz, 24 volts	When available 45.00
RVD-1	28V relay driver kit, requires 12V and PTT ground to energize	10.00
RK1-12V	Aromat/NAIS RF relay, PCB mount, SPDT, >60dB isolation @ 2 GHz, Replaces G5Y	9.00
G5V-12	OMRON 12V DC relay, PCB mount, DPDT	4.00
G5V-5	OMRON 5V DC relay, PCB mount, DPDT	4.00
G6Y-12	OMRON 12V RF relay, PCB mount, SPDT, >60dB isolation @ 1.5 GHz	6.00
Capacitors		
ATC1-XXX	B case, 110mil porcelain chips. Values available: 1.2, 1.6, 2.0, 2.7, 5.1, 7.5, 12, 18, 22, 33, 39, 56, 100, 470	10/9.00
ATC1-1000	B case, 110mil porcelain chips 1000pF	10/11.00
ATC50-XXX	A case, 55mil porcelain chips. Values available: 1.2, 2.7, 8.2, 47.	10/9.00
FEED 4-40	DC Power line filter, #4-40 threads	2.00
FEED 8-32	DC Power line filter #8-32 threads	2.00
PISTON-4	Miniature 0.5- 4 pF Voltronics piston capacitor	4.50
PISTON-8	Miniature 0.5- 8 pF Voltronics piston capacitor	4.50
TT-400	Trimmer Capacitor Tuning Tool	4.00

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<i>Model #</i>	<i>Description</i>	<i>Price</i>
TRIM1-6	Rotary ceramic trim cap, 1.5-6pF	1.00
TRIM2-12	Rotary ceramic trim cap, 2-12 pF	1.00
TRIM0.3-3	Rotary surface mount trim cap, 0.3-3.0pF Voltronics (JZ030)	2.00
CCB-XXX	Chip capacitors in bag (25 same value chips/bag), most values avail. (1.5pF - 0.1uF), specify val.	2.00
ELEC-100	100 uF, 25 VDC electrolytic Cap, axial	0.50
ELEC-2.2	2.2 uF, 16 VDC electrolytic Cap, axial	0.25
DISC-XXX	Disc ceramic caps, 10 - 0.1uF, specify values	0.25
Resistors		
1K POTSMD	1000 ohm Surface Mount potentiometer	0.50
1K POT	1000 ohm PC-mount potentiometer	1.00
50OHMTERM	10W, strip-line flange mount, 50 ohm load # 4 mounting hole	14.00
RCB-XXX	Chip resistors in bag (25 same value chips/bag), most val. avail. (10 ohm - 10Mohm), specify val.	2.00
CAR-XXX	Carbon composition resistors, 1/4 W, 22 ohm - 680 ohm and 1.5K ohm	0.25
PTC-60	60 degrees Thermistor	1.50
TCHLOAD	50OHM Load TO-220 Package, 35W @ 25°C	5.00
Inductors		
.10CHOKE	0.10 uH molded choke	0.75
.12CHOKE	0.12 uH molded choke	0.75
.22CHOKE	0.22 uH molded choke	0.75
.33CHOKE	0.33 uH molded choke	0.75
.33CHOKE-H	0.33 uH molded VHF choke	1.25
1.0CHOKE	1.0 uH molded choke	1.00
MMICs		
MAR1 (0185)	1 GHz, 16dB Gain, 5.8dB Noise Figure, +2dBm at 1dB Gain compression	2.00
MAR2 (0285)	1 GHz, 12dB Gain, 6.5dB Noise Figure, +6dBm at 1dB Gain compression	2.25
MAR3 (0385)	1 GHz, 12dB Gain, 6.0dB Noise Figure, +10dBm at 1dB Gain compression	2.30
MAR4 (0485)	1 GHz, 8dB Gain, 7.0dB Noise Figure, +13dBm at 1dB Gain compression	2.50
MAR6 (0685)	1 GHz, 17dB Gain, 3.2dB Noise Figure, +10dBm at 1dB Gain compression	2.20
MAV11 (1104)	1 GHz, 11dB Gain, 4.0dB Noise Figure, +18dBm at 1dB Gain compression	3.00
ERA-1	DC-8 GHz, 10dB Gain @ 6 GHz, 4dB Noise Figure, +14dBm @ 1dB Gain compression	2.50
ERA-2	DC-8 GHz, 12dB Gain @ 4 GHz, 4dB Noise Figure, +16dBm @ 1dB Gain compression	2.50
ERA-3	DC-8 GHz, 14dB Gain @ 6 GHz, 3.5dB Noise Figure, +13dBm @ 1dB Gain compression	2.50
ERA-5	DC-4 GHz., 16dB Gain @ 4 GHz., 4.0dBNF, +19dBm @ 1 dB gain comp	6.00
ERA-6	DC-4GHz., 11dB Gain @4 GHz., 4.0dBNF, +19dBm @ 1dB gain Comp	6.00
SGA602-86	DC-6GHz, 14dB Gain @ 900MHz, 4.5dBNF, +19dBm @ 1dB gain Comp (ERA-4 Substitute)	3.00
INA10386	DC-2 GHz, 24dBG, 3.5dB NF +14dbm 1dB Gain comp	5.00
MGA86576	1.5-8 GHz, 23dB Gain, @ 2 GHz.<2dB Noise Figure, +6dBm at 1dB Gain compression	10.00
FMM5701LG	10-24GHz, 20dB Gain, @ 10 GHz <2dB Noise Figure,	25.00
AH-1	250- 3GHz., 13dB Gain @ 2GHz 2.7dBNF +21 P1DB, SOT89 Package +41dBm IP3	10.00
<i>PC Boards available for all MMIC's</i>		
Low Noise GaAs FETs		
MGF1902B	Mitsubishi Low Noise GaAsFET, MGF1302 Equivalent, Obsolete!	1/6.00 or 5/25.00
NE32584	PHEMT, 10 GHz, 0.6dB Noise Figure, 12dB Gain	8.00
NE32010S01	Super Low Noise HJ FET, 0.35dBNF @ 12GHz, 13.5dBG	2.00
ATF10136	4 GHz, 0.5dB Noise Figure, 13dB Gain	8.00
ATF21186	2GHz, 0.6dB Noise Figure, 13.5dB Gain	4.00
ATF36077	PHEMT, 10 GHz, 0.6dB Noise Figure, 12dB Gain	8.00
ATF34143	PHEMT, DC-6GHz, 0.5dBNF @ 2GHz, 17.5dBG, +20P1DB, +31dBm IP3, SOT-343 Package	5.00

* Verify price before ordering.

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Down East Microwave Inc.

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Web Site: <http://www.downeastmicrowave.com>

<i>Model #</i>	<i>Description</i>	<i>Price</i>
RF and Switching Transistors		
MPS5179	VHF Oscillator transistor, Plastic.	0.50
2N5179	VHF Oscillator transistor, Metal,	1.50
MRF559	1 GHz, 1/2W Motorola	3.00
PN2222	NPN switching transistor, plastic 2N2222, 150 mA	0.50
2N2907	PNP switching transistor, metal, 300 mA	1.00
MPS51W	PNP switching transistor, 1 amp	0.50
TIP32A	PNP switching transistor, 3 amps	1.50
Voltage Regulators		
78L05	5V, 200mA	0.75
78L08	8V, 150mA	0.75
78L09	9V, 150mA	0.75
7805	5V, 1A	1.00
78M05	5V, 0.5A, SMD, TO-252 Package	1.00
78S09	9V, 2A	2.00
ICL7660	Voltage inverter, 15VDC max., 8 pin dip	2.50
7660SMD	Voltage inverter, 15VDC max., SOIC-8	2.50
Diodes and Mixers		
MPN3404	VHF PIN diode, low power	0.25
MA4E2054B	Surface mount mixer pair, 10GHz, HSMS-8202 replacement	1.00
MA4P1200	UHF PIN diode, 50W, UM9401 replacement	4.00
MA4P1250	UM9401 surface mount	4.00
HSMS2800	Surface mount RF Schottky Barrier diode, single (5082-2835 equivalent)	0.50
HP 3814	Surface mount dual pin diode	2.00
SYM-14H	100-1370MHz mixer, +17dBm LO, Surface Mount	15.00
TUF-1H	500 MHz, +17dBm LO mixer, small package	12.00
ADE-3G	Surface mount mixer, 2.3-2.7 GHz, +7dBm LO	6.00
1N914	Switching diode,	0.25
1N4001	100, 1 amp rectifier diode	0.25
LED	Red LED, 1/8" dia. 30 mA	0.50
Filters		
TOKO116-2	Toko filter, CBW, 271MT-1153A, 115 MHz, 2 pole	15.00
TOKO144-2	Toko filter, CBW, 271MT-11159A, 146 MHz, 2 pole	15.00
TOKO144-3	Toko filter, CBT, 272MT-1119D, 143 MHz, 3 pole	25.00
TOKO146-3	Toko filter, CBT, 272MT-1006, 146 MHz., 3 pole	25.00
TOKO194-2	Toko filter, CBW, 271MT-1164A, 194.5 MHz, 2 pole	15.00
TOKO222-2	Toko filter, CBW, 271MT-1166S, 220 MHz, 2 pole	15.00
TOKO222-3	Toko filter, CBT, 272MT-1146A, 223 MHz, 3 pole	25.00
TOKO405-2	Toko filter, 7HW, 252MXPR-1547A, 405 MHz, 2 pole	12.00
TOKO433-3	Toko filter, 7HT, 302HXPk-1354D1, 433 MHz, 3 pole	17.00
TOKO435-2	Toko filter, 7HW, 252MXPR-2537A, 435 MHz, 2 pole	12.00
TOKO785-2	Toko filter, 7HW, 252HXPk2787F, 785MHz, 2 pole	12.00
TOKO870-2	Toko filter, 7HW, 252HXPk2770F, 870MHz, 2 pole	12.00
TOKO903-3	Toko filter, 7HT, 302HXPk-1260B, 903MHz, 3 pole	16.00
TOKO910-2	Toko filter, 7HW, 252HXPk2737F, 910MHz, 2 pole	12.00
TOKO1230	Toko filter, 5HT-123080C-1230, 1230MHz, 3 pole	18.00
TOKO1125	Toko filter, 5HT-112570C-1125, 1125MHz, 3 pole	18.00
Enclosures		
ROSE-L	Weatherproof, cast aluminum, 3.75" x 2.5" x 1.375"	20.00
ROSE-S	Weatherproof, cast aluminum, 2.5" x 2.25" x 1.375"	12.00
CTPE113	Weatherproof, cast aluminum, 4.53" x 3.54" x 2.17"	15.00
DEM-M	Extruded clam shell aluminum box with end plates, 4.125" x 1.875" x 7.75"	16.00

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Web Site: <http://www.downeastmicrowave.com>

<i>Model #</i>	<i>Description</i>	<i>Price</i>
DEM-L	Extruded clam shell aluminum box with end plates, 4.125" x 1.875" x 9.75"	18.00
1590A	Hammond die-cast aluminum, 3.6" x 1.5" x 1.1"	7.00
1590B	Hammond die-cast aluminum, 4.4" x 2.4" x 1.1"	8.50
1590BB	Hammond die-cast aluminum, 4.7" x 3.7" x 1.2"	12.00
1590C	Hammond die-cast aluminum, 4.7" x 3.7" x 2.1"	13.00
1590D	Hammond die-cast aluminum, 7.4" x 4.7" x 2.2"	20.00
EAGLE-L	Eagle die-cast aluminum, 5.7" x 8.7" x 2.1"	25.00
	Heatsink material available for all Hammond enclosures. Call for pricing	

Miscellaneous

5880-15	5880 Duroid equivalent, 0.015" thick (specify size)	0.40/sq. in.
5880-30	5880 Duroid equivalent, 0.031" thick (specify size)	0.60/sq. in.
T(Size)-Value	Toroid- Size 12, 25, 37, 50 Value 00, 06, 10, 12, 17. 3 per bag.	1.00/bag
BRASS-AN	1/4"x12"x 0.016" brass angle	1.00
BRASS8-32	8-32 x 1/2" brass screw	0.25
BRASS4-40	4-40 x 3/8" brass screw	0.25
ENAMELXX	Enamel coated wire #30, #28, #24, #22, #18	0.50/ft
TEFLONXX	Teflon wire, stranded, odd color #22, #18	0.50/ft
BUSSXX	Buss wire, tin plated, #20, and #18	0.50/ft
1/2PIPE	1/2" pipe caps and hardware for 8-12 GHz filter	1.00
3/4PIPE	3/4" pipe caps and hardware for 3-7 GHz filter	1.00
BEAD	Ferrite bead, 25 /bag, different sizes available	1.00
FIBER	Fiber washers, 0.125" hole	10/1.00
SPDT	Toggle switch, SPDT, 1/4" panel mount	2.50
SPDT-RT	PCB Mount Toggle switch SPDT, 1/4" hole	2.50
STDF-25	4-40 x 1/4" aluminum stand-off for mounting PC Boards	0.40
STDF-50	4-40 x 1/2" aluminum stand-off for mounting PC Boards	0.40

Product description available for almost all products. If you need more detailed descriptions please inquire.

Check our web site for up to date surplus items and new product introductions at

<http://www.downeastmicrowave.com>

Our business hours are from Monday to Thursday, 9:00AM to 6:00PM EST. 24 Hrs. Fax.

Prices are subject to change without notice and quantities may be limited.

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Fax and Mail-in Order Form

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<i>Model #</i>	<i>Short description</i>	<i>Qty.</i>	<i>Unit Cost</i>	<i>Total</i>

NOTE: Prices are subject to change.

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 ** When sending Check or money order with order include \$5.00 S&H. We will ship best way. This does not include surplus items or *shipments outside the continental US.*
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