

LORCH MICROWAVE VHF & UHF Bandpass Filters

Lorch Microwave provides a series of standard discrete VHF and UHF bandpass filters suited for ground mobile and airborne communications. Units are of rugged design, featuring low insertion loss (< .5 dB at mid-band), steep shape factors and good power handling capability. These filters may also be manufactured to various mechanical and electrical requirements to meet your specification. Lowpass, highpass & bandreject units are available.



VHF & UHF Bandpass

	14BP-30-88-N/N	12BP-225-400-N/N
Passband	30-88 MHz	225-450 MHz
Insertion Loss	<1.5 dB	<.5 dB
VSWR	1.4:1	1.4:1
Attenuation	@ 25 MHz >85 dB @ 20 MHz >90 dB @ 225 MHz > 85 dB	@ 170 MHz >60 dB @ 88 MHz >85 dB @ 750 MHz > 60 dB @ 1100 MHz >85 dB
Power	100 watts	50 watts
Connectors	Type N	Type N
Impedance	50 ohms	50 ohms
Package Size (Inches) L x W x H	11.0 x 1.75 x 1.0	9.0 x 1.75 x 1.0
Weight	<.60 kilograms	<.60 kilograms

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MICROWAVE

Rating or Test	MIL-STD-202F Method / Test Condition
Temperature Operating, °C	-55°C, +85°C
Temperature Storage, °C	-55°C, +125°C
Gross Leak	Method 112 / D
Fine Leak	Method 112 / C
Moisture Resistance (Humidity)	Method 106
Thermal Shock	Method 107 / A
Mechanical Shock	Method 213 / J
Random Vibrations	Method 214 / C
Vibrations High Frequency	Method 204 / A
Solderability	Method 208
Terminal Strength and Fatigue	Method 211 / A
Altitude	Method 105 / A
Salt Spray	Method 101 / B
Solvent Resistance	Method 215
Solder Heat	Method 210 / B

