



YIG FILTERS DUAL 10-STAGES

STANDARD DOUBLE OCTAVE BANDS^{6,4,5}

TYPE ^{1,6}	OMNIYIG MODEL No. ²	FREQ RANGE (GHz)	3dB BW Max. (MHz)	INSERTION LOSS Max. (dB)	BANDWIDTH at 30dB ³ (MHz)	OFF RESONANCE SPURIOUS MINIMUM (dB)	FREQ DRIFT 0° TO 60°C (MHz)	VSWR	WEIGHT (oz)	DRAWING NUMBER
BAND PASS	M138 M139	2-8 8-18	25-50 25-50	4.5 4.5	N/A N/A	50 50	8 10	2.1:1 2.1:1	20 20	04 04
BAND REJECT	M138 M139	2-8 8-18	125 150	1.5 1.5	20 20	4.5 4.5	8 10	2.5:1 2.5:1	20 20	04 04

POWER SUPPLY REQUIREMENTS, all model numbers

Tuning Sensitivity (Typically)	22 MHz/ma
Heater Supply Voltage (unregulated)	22-30 V.
Heater Current	
5 Sec. Surge	1.2 Amps.
Steady State	100 ma max.

NOTES:

1. All connectors are standard 3mm (SMA) female.
2. Limiting levels for all units are greater than +10dBm.
3. Nominal bandwidths, other bandwidths are available.
4. Deviation from linear $\pm 0.1\%$
5. Sweeping time required for bandpass to stabilize within 0.2% of full band step, 10 Mill seconds.
6. All units can be qualified to MIL-E-5400, Class II Specification on special order.