



## YIG FILTERS Dual 4 Stage w/ Bypass Switch

### STANDARD OCTAVE BANDS<sup>(6)</sup>

TYPE <sup>1,7</sup>	OMNIYIG MODEL No. <sup>3,5</sup>	FREQ RANGE (GHz)	INSERTION LOSS (dB)	BANDWIDTH at 3dB <sup>3</sup> (MHz)	COMBINED OFF RESONANCE SPURIOUS MINIMUM (dB)	PASSBAND RIPPLE & SPURIOUS MAXIMUM (dB)	FREQ DRIFT 0° TO 60°C (MHz)	OFF RESONANCE ISOLATION MINIMUM (dB)	DIMENSIONS CUBED (INCHES)	WEIGHT (oz)	FREQ TRACKING BETWEEN CHANNELS (MHz)	DRAWING NUMBER
DUAL 4-STAGE (Per Channel)	M1841	0.5-1.0	6.5	12-23	60	1.0	5	100	1.4	9.8	5	03
	M1842	1.0-2.0	5.5	20-35	60	1.5	5	100	1.4	9.8	6	03
	M1843	2.0-4.0	5.9	20-35	60	1.5	6	100	1.4	9.8	6	03
	M1844	4.0-8.0	4.5	25-40	60	1.5	9	100	1.4	9.8	7	03
	M1845	8.0-12.4	4.5	25-40	60	1.5	10	100	1.69	17.5	8	04
	M1846	12.4-18.0	4.5	28-45	60	1.5	12	100	1.69	17.5	7	04
BYPASS SWITCH w/ DUAL 4-STAGE (Per Channel)	M18475	0.5-1.0	6.5	17-35	35	1.0	5	70	1.4	9.8	5	03
	M18485	1.0-2.0	6.0	24-40	35	1.5	5	70	1.4	9.8	6	03
	M18495	2.0-4.0	5.5	30-45	30	1.5	5	70	1.4	9.8	6	03
	M18505	4.0-8.0	5.5	30-45	30	1.5	9	70	1.4	9.8	7	03
	M18515	8.0-12.4	5.5	35-50	30	1.5	10	70	1.69	17.5	8	04
	M18525	12.4-18.0	5.5	35-50	30	1.5	10	70	1.69	17.5	7	04

### STANDARD MULTI-OCTAVE BANDS<sup>(6)</sup>

DUAL 4-STAGE (Per Channel)	M1853	0.5-2.0	7.0	12-26	60	2.5	13	100	1.69	17.5	5	04
	M1854	2.0-8.0	6.0	25-40	60	2.5	13	100	1.69	17.5	5	04
	M1855	8.0-18.0	6.0	25-60	60	2.5	13	100	1.69	17.5	10	04
	M1856	4.0-18.0		30-50	60	2.0	13		1.69	17.5	10	04
	M1857	2.0-18.0	6.5	25-60	60	2.5	13	100	1.69	17.5	10	04

#### 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. 20 ms. fast switching models available.
6. All units can be qualified to MIL-E-5400, Class II Specification on special order.
7. Data per channel.