



YIG FILTERS 500MHz to 26GHz 6 Stage

STANDARD OCTAVE BANDS⁽⁶⁾

TYPE ^{1,8}	OMNIYIG MODEL No. ^{3,5}	FREQ RANGE (GHz)	INSERTION LOSS (dB)	BANDWIDTH at 3dB ³ (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
TRIPLE 3-STAGE (Per Channel)	Ku10333	6.0-18.0	3.5	35-55	30	1.0	12	70	1.69	17.5	-	04
6-STAGE	P106	0.5-1.0	6.5	12-23	60	1.0	5	100	1.4	9.8	-	01
	L106	1.0-2.0	5.5	20-35	60	1.5	5	100	1.4	9.8	-	01
	S106	2.0-4.0	5.0	20-35	60	1.5	6	100	1.4	9.8	-	01
	C106	4.0-8.0	4.5	25-40	60	1.5	9	100	1.4	9.8	-	01
	X106	8.0-12.4	4.5	25-40	60	1.5	10	100	1.69	17.5	-	02
	Ku106	12.4-18.0	4.5	28-45	60	1.0	12	100	1.69	17.5	-	02
DUAL 3-STAGE (Per Channel)	P1033	0.5-1.0	3.5	17-35	35	1.0	5	70	1.4	9.8	5	03
	L1033	1.0-2.0	3.5	24-40	35	1.5	5	70	1.4	9.8	6	03
	S1033	2.0-4.0	3.0	30-45	30	1.5	5	70	1.4	9.8	6	03
	C1033	4.0-8.0	3.0	30-45	30	1.5	9	70	1.4	9.8	7	03
	X1033	8.0-12.4	3.0	35-50	30	1.5	10	70	1.69	17.5	8	04
	Ku1033	12.4-18.0	3.5	35-50	30	1.5	10	70	1.69	17.5	7	04

STANDARD MULTI-OCTAVE BANDS⁽⁶⁾

6-STAGE	M983	8.0-18.0	7.0	500-800	40	2.5	13	100	1.69	17.5	-	02
6-STAGE	M978	6.0-18.0	6.0	25-40	60	2.5	13	100	1.69	17.5	-	02
6-STAGE	M980	4.0-18.0	6.0	25-60	40	2.5	13	100	1.69	17.5	-	02
DUAL 3-ST.	M981 ⁷	6.0-18.0	3.5	30-50	35	2.0	13	70	1.69	17.5	10	04
6-STAGE	M979	2.0-18.0	6.5	25-60	60	2.5	13	100	1.69	17.5	-	02
6-STAGE	M982	2.0-26.5	7.0	25-60	60	2.5	13	100	1.69	17.5	-	02

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. 30 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.