

Low Pass Filters

- 3dB Cut Off Frequency in Range 1 - 18GHz
- Miniaturised Suspended Substrate
- Quasi-elliptical Function
- Excellent Temperature Stability
- Very Rugged Design
- Higher Frequencies available on request



General Specifications	
Impedance	50 ohms
Circuit	Suspended Substrate
Housing	Rectangular
Finish	Matt Paint
Connectors	SMA Female to MIL-C-39012
Operating Temperature	-55 +85C
Storage Temperature	-55 +95C
Humidity	95% R.H.

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.
 Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

Model No. & Typical Test Data (where available)	3dB Cut Off Frequency (GHz)	Pass Band Frequency Range (GHz)	Insertion Loss (dB max.)	VSWR (:1max.)	Stopband Frequency (GHz)	Stopband Attenuation (dB min.)	Power Handling (Watts avg.)	Size (LxWxH) (mm)
AFL-01000	1	DC - 0.9	1	2	1.15 - 4	50	15	100x60x12
AFL-02000	2	DC - 1.8	1	2	2.3 - 6	50	15	50x38x12
AFL-03000	3	DC - 2.7	1	2	3.45 - 8	50	15	48x32x12
AFL-04000	4	DC - 3.6	1	2	4.6 - 10	50	15	41x25x12
AFL-05000	5	DC - 4.5	1	2	5.8 - 12	50	15	33x25x12
AFL-06000	6	DC - 5.4	1	2	6.9 - 14	50	15	33x22x12
AFL-07000	7	DC - 6.3	1	2	8 - 15	50	15	32x22x12
AFL-08000	8	DC - 7.2	1	2	9.2 - 16	50	15	30x22x12
AFL-09000	9	DC - 8.1	1	2	10.4 - 16.5	50	15	25x22x12
AFL-10000	10	DC - 9	1	2	11.5 - 17	50	15	25x22x12
AFL-11000	11	DC - 9.9	1	2	12.7 - 17.5	50	15	25x22x12
AFL-12000	12	DC - 10.8	1	2	13.8 - 18.1	50	15	25x22x12
AFL-13000	13	DC - 11.7	1	2	15 - 18.8	50	15	23x19x12
AFL-14000	14	DC - 12.6	1	2	16.1 - 19.6	50	15	24x20x12
AFL-15000	15	DC - 13.5	1	2	17.3 - 21	50	15	24x20x12
AFL-16000	16	DC - 14.4	1	2	18.4 - 21.5	50	15	24x20x12
AFL-17000	17	DC - 15.3	1	2	19.6 - 22	50	15	24x20x12
AFL-18000	18	DC - 16.2	1	2	20.7 - 24	50	15	24x20x12

