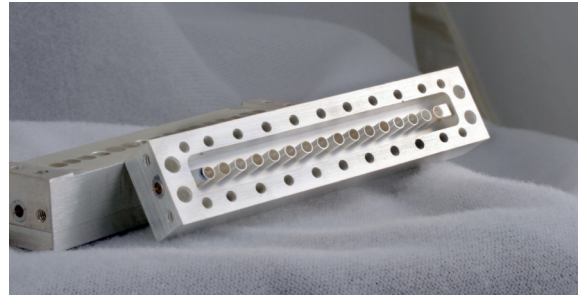


FEATURES:

- EXCELLENT REJECTION AND SPURIOUS
- LOW PASS BAND INSERTION LOSS
- LIGHTWEIGHT, COMPACT AND ECONOMICAL
- ROBUST CONSTRUCTION



AKON's combine filter designs incorporate high "Q" structures enabling the realization of high skirt selectivity and very low pass-band insertion loss making them ideally suited for critical receiver front-end or transmitter applications. Increased selectivity is accomplished by the addition of more resonators to the design. The filter housing is generally made from lightweight aluminum and may be silver-plated for improved electrical characteristics.

AKON combine filters are available from 2 to 16 resonator sections with bandwidths up to 50% and operating frequencies from 1 GHz to 20 GHz. Standard connectors are SMA-F, drop-in configuration also available. Typical electrical specifications that can be enhanced include insertion loss, VSWR, power handling, and spurious response suppression. Call us regarding non-standard parameters. Please consult our sales department for further details.

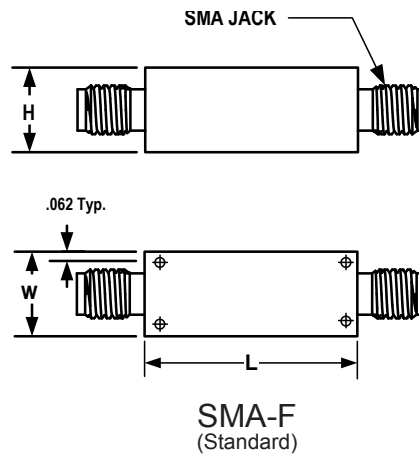
BAND PASS:

Model	Passband (GHz)	Insertion Loss (dB)	Lower Stopband (GHz)	Upper Stopband (GHz)	VSWR	Size (Inches) (L x H x W)
A65-MH002	6.0 - 10.0	1.0	75 dB (DC to 5.1)	75 dB (11.5 to 18.0)	1.8:1	2.9 x 0.6 x 0.5
A65-MH003	10.0 - 14.0	1.0	75 dB (DC to 8.5)	75 dB (16.1 to 26.0)	1.8:1	2.9 x 0.7 x 0.5
A65-MH004	14.0 - 18.0	1.0	75 dB (DC to 11.9)	75 dB (20.7 to 30.0)	1.8:1	2.9 x 0.6 x 0.5
A65-MH005	2.0 - 6.0	2.5	65 dB (DC to 1.7)	45 dB (6.9 to 18.0)	2.0:1	2.9 x 0.7 x 0.5
A65-MH011	11.9 - 12.1	2.5	60 dB (DC to 11.5)	60 dB (12.5 to 24.0)	1.5:1	2.3 x 0.6 x 0.5
A65-MH012	10.0 - 11.0	1.0	65 dB (DC to 8.5)	65 dB (12.65 to 22.0)	1.5:1	2.25 x 0.6 x 0.38
A65-MH044	5.7 - 8.3	1.2	60 dB (DC to 5.0)	60 dB (8.7 to 18.0)	1.8:1	2.5 x 0.4 x 0.5
A65-MH045	8.7 - 11.3	1.3	60 dB (DC to 7.9)	60 dB (11.85 to 18.0)	1.8:1	2.8 x 0.4 x 0.5
A65-MH046	10.7 - 13.3	1.0	60 dB (DC to 8.5)	60 dB (14.6 to 24.0)	1.8:1	1.9 x 0.4 x 0.5
A65-MH047	12.7 - 15.3	1.0	60 dB (DC to 10.4)	60 dB (16.7 to 24.0)	1.8:1	1.9 x 0.35 x 0.5
A65-MH048	14.7 - 16.3	1.0	60 dB (DC to 12.7)	60 dB (17.7 to 30.0)	1.8:1	1.9 x 0.4 x 0.5
A65-MH049	15.7 - 18.3	1.0	60 dB (DC to 13.6)	60 dB (19.8 to 24.0)	1.8:1	1.9 x 0.4 x 0.5
A65-MH050	0.99 - 1.010	2.0	60 dB (DC to 0.9)	60 dB (1.1 to 5.9)	1.5:1	1.5 x 0.4 x 1.2
A65-MH051	3.5 - 6.6	1.0	50 dB (DC to 0.5)	60 dB (7.6 to 18.0)	2.0:1	1.8 x 0.4 x 0.5
A65-MH052	5.4 - 10.0	1.0	50 dB (DC to 1.0)	60 dB (11.5 to 18.0)	2.0:1	1.8 x 0.4 x 0.5
A65-MH053	7.65 - 15.0	1.0	50 dB (DC to 1.0)	60 dB (17.0 to 24.0)	2.0:1	1.8 x 0.4 x 0.5
A65-MH054	11.5 - 20.0	1.0	50 dB (DC to 1.0)	60 dB (23.0 to 30.0)	2.0:1	1.8 x 0.4 x 0.5
A65-MH055	9.0 - 21.0	2.0	50 dB (DC to 2.4)	60 dB (23.5 to 30.0)	2.0:1	1.6 x 0.3 x 0.5
A65-MH056	6.0 - 7.1	1.0	60 dB (DC to 4.9)	60 dB (7.9 to 18.0)	1.5:1	2.0 x 0.4 x 0.5
A65-MH057	7.2 - 8.3	1.0	60 dB (DC to 5.7)	60 dB (9.4 to 18.0)	1.8:1	2.0 x 0.4 x 0.5
A65-MH058	8.4 - 15.6	1.0	50 dB (DC to 2.5)	60 dB (17.8 to 24.0)	2.0:1	1.6 x 0.3 x 0.5
A65-MH059	8.4 - 9.5	1.0	60 dB (DC to 6.9)	60 dB (10.6 to 18.0)	1.5:1	2.0 x 0.4 x 0.5
A65-MH060	10.8 - 12.0	1.0	60 dB (DC to 9.3)	60 dB (13.2 to 22.0)	1.8:1	2.0 x 0.4 x 0.5

BAND PASS (CONT'D):

Model	Passband (GHz)	Insertion Loss (dB)	Lower Stopband (GHz)	Upper Stopband (GHz)	VSWR	Size (Inches) (L x H x W)
A65-MH061	9.6 - 10.8	1.0	60 dB (DC to 8.8)	60 dB (11.5 to 22.0)	1.5:1	2.4 x 0.4 x 0.5
A65-MH062	12.0 - 13.2	1.0	60 dB (DC to 11.0)	60 dB (14.2 to 24.0)	1.5:1	2.4 x 0.4 x 0.5
A65-MH063	13.2 - 14.4	1.5	60 dB (DC to 12.2)	60 dB (15.4 to 24.0)	1.5:1	2.2 x 0.4 x 0.5
A65-MH064	14.5 - 15.6	1.5	60 dB (DC to 13.5)	60 dB (16.5 to 24.0)	1.5:1	2.2 x 0.4 x 0.5
A65-MH065	15.7 - 16.8	1.5	60 dB (DC to 14.8)	60 dB (17.7 to 24.0)	1.5:1	2.2 x 0.4 x 0.5
A65-MH066	16.9 - 18.0	1.5	60 dB (DC to 16.0)	60 dB (18.9 to 24.0)	1.5:1	2.2 x 0.4 x 0.5
A65-MH067	8.3 - 8.5	1.0	60 dB (DC to 7.2)	60 dB (9.6 to 18.0)	1.5:1	1.7 x 0.4 x 0.5
A65-MH068	9.5 - 9.7	1.0	60 dB (DC to 8.4)	60 dB (10.8 to 18.0)	1.5:1	1.6 x 0.4 x 0.5
A65-MH076	9.5 - 11.0	1.0	60 dB (DC to 8.0)	60 dB (15.6 to 18.0)	1.5:1	1.8 x 0.4 x 0.5
A65-MH077	11.5 - 12.5	1.0	60 dB (DC to 14.4)	60 dB (12.6 to 18.0)	1.5:1	1.8 x 0.4 x 0.5
A65-MH078	13.0 - 14.5	1.0	60 dB (DC to 9.7)	60 dB (14.4 to 18.0)	1.5:1	1.8 x 0.4 x 0.5
A65-MH079	15.0 - 16.5	1.0	60 dB (DC to 12.7)	60 dB (18.28 to 24.0)	1.5:1	1.8 x 0.4 x 0.5
A65-MH080	17.0 - 18.5	1.0	60 dB (DC to 14.4)	60 dB (21.0 - 24.0)	1.5:1	1.8 x 0.4 x 0.5
A65-MH081	9.5 - 13.5	1.0	60 dB (DC to 6.6)	60 dB (17.5 to 24.0)	1.5:1	1.8 x 0.4 x 0.5
A65-MH082	14.0 - 18.5	1.0	60 dB (DC to 9.8)	60 dB (24.0 to 26.0)	1.5:1	1.8 x 0.4 x 0.5
A65-MH083	6.0 - 7.0	1.0	50 dB (DC to 5.5)	50 dB (7.5 to 18.0)	1.5:1	1.8 x 0.4 x 0.5
A65-MH084	7.0 - 8.0	1.0	50 dB (DC to 6.5)	50 dB (8.5 to 18.0)	1.5:1	1.8 x 0.4 x 0.5
A65-MH085	8.0 - 9.0	1.0	50 dB (DC to 7.5)	50 dB (9.5 to 18.0)	1.5:1	1.8 x 0.4 x 0.5
A65-MH086	9.0 - 10.0	1.0	50 dB (DC to 8.5)	50 dB (10.5 to 18.0)	1.5:1	1.8 x 0.4 x 0.5
A65-MH087	10.0 - 11.0	1.0	50 dB (DC to 9.5)	50 dB (11.5 to 18.0)	1.5:1	1.8 x 0.4 x 0.5
A65-MH088	11.0 - 12.0	1.0	50 dB (DC to 10.5)	50 dB (12.5 to 18.0)	1.5:1	1.8 x 0.4 x 0.5
A65-MH089	12.0 - 13.0	1.0	50 dB (DC to 11.5)	50 dB (13.5 to 18.0)	1.5:1	1.8 x 0.4 x 0.5
A65-MH090	13.0 - 14.0	1.0	50 dB (DC to 12.5)	50 dB (14.5 to 18.0)	1.5:1	1.8 x 0.4 x 0.5
A65-MH091	14.0 - 15.0	1.0	50 dB (DC to 13.5)	50 dB (15.5 to 18.0)	1.5:1	1.8 x 0.4 x 0.5
A65-MH092	15.0 - 16.0	1.0	50 dB (DC to 14.5)	50 dB (16.5 to 24.0)	1.5:1	1.8 x 0.4 x 0.5
A65-MH093	16.0 - 17.0	1.0	50 dB (DC to 15.5)	50 dB (17.5 to 24.0)	1.5:1	1.8 x 0.4 x 0.5
A65-MH094	17.0 - 18.0	1.0	50 dB (DC to 16.5)	50 dB (18.5 to 24.0)	1.5:1	1.8 x 0.3 x 0.5

CONFIGURATION:



TYPICAL PERFORMANCE:

Typical Frequency Response



Typical Return/Insertion Loss

