



Broadcast Auxiliary Microwave Service (BAMS) Mitigation Filter

This Interference Mitigation Filter is placed in a BAS system to protect it from adjacent 2.1 GHz emissions. It rejects AWS-1 A,B, and C Blocks, while passing all broadcast channels 1 through 10. Typical downlink insertion loss is just 0.3 dB. It is easy to install and meets IP67 requirements for ingress protection.

FEATURES / BENEFITS

- ➞ Low insertion loss - minimizes impact on BAS signal strength
- ➞ Rugged fully enclosed aluminum enclosure - withstand long term effect of harsh environment
- ➞ Easy installation; rack mount and/or pole/wall mount with included hardware
- ➞ Rack mount: 2U 19 inch



Technical Features

ELECTRICAL SPECIFICATIONS

Frequency Range	MHz	Channel 1-7: 2025 - 2109.5 and Channel 8-10: 2448 - 2502
Insertion Loss	dB	Channel 1-7: 0.3 dB typical. (2.0 dB max), Channels 8-10 0.25 dB max
Return Loss	dB	22 dB typical, 18 dB min
Stopband Rejection, min.	dB	40
Continuous Average Power	W	200.0
Peak Envelope Power	kW	1000.0
Rejection Band	MHz	2110.5 - 2200
Impedance	Ohms	50.0
DC/AISG Pass		Not Supported

MECHANICAL SPECIFICATIONS

Connectors - Input		N-Female
Connectors - Output		N-Female
Height	mm (in)	62 (2.47)
Width	mm (in)	247 (9.76)
Depth	mm (in)	216 (8.50)
Mounting		Rack, Pole, and Wall Mount Options Available
Housing		Aluminum
Weight	kg (lb)	5 (11)

TESTING AND ENVIRONMENTAL

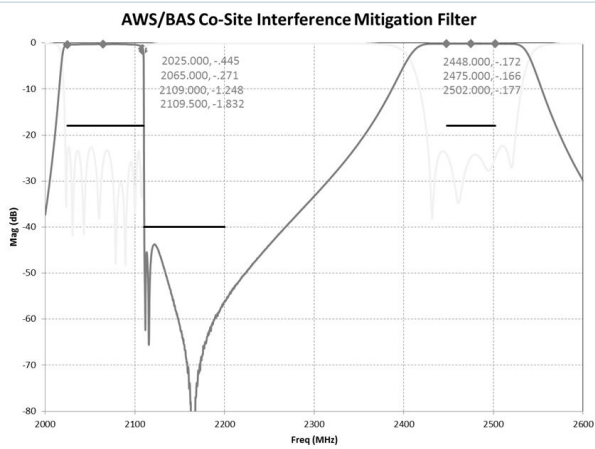
Temperature Range	°C (°F)	-40 to 65 (-40 to 149)
Humidity	%	5-95
MTBF	hrs	>=500,000
Lightning Protection		IEC61000-4-5 Level 4 / IEC61312-4 (10kA), 8/20mS pulse
Ingress Protection (Mated)		IP67
RoHS		Compliant

External Document Links

Notes



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