IMFQ-1921BAS-43 | E14V00P59

Quad Mid Band IMF for Broadcast Auxiliary Service(BAS) co-location, 4.3-10 connectors

- Provides interference mitigation in the Broadcast Auxiliary Service band of 2025-2110 MHz
- Supports Band 66 and Band 70 Mid-Band radios
- Easy to install in existing AWS systems and prevent adjacent channel interference for BAS licensees
- New 4.3-10 connectors for improved PIM performance and size reduction
- Compact form factor with reduced size and weight
- DC/AISG passing on all ports

Product Classification

Product Type	Interference mitigation filter

General Specifications

Color	Gray
Modularity	4-Quad
Mounting Pipe Hardware	Band clamps (2)
RF Connector Interface	4.3-10 Female
RF Connector Interface Body Style	Long neck

Dimensions

Height	201 mm | 7.913 in
Width	244 mm | 9.606 in
Depth	88 mm | 3.465 in
Ground Screw Diameter	5 mm | 0.197 in

Outline Drawing

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Revised: March 20, 2025

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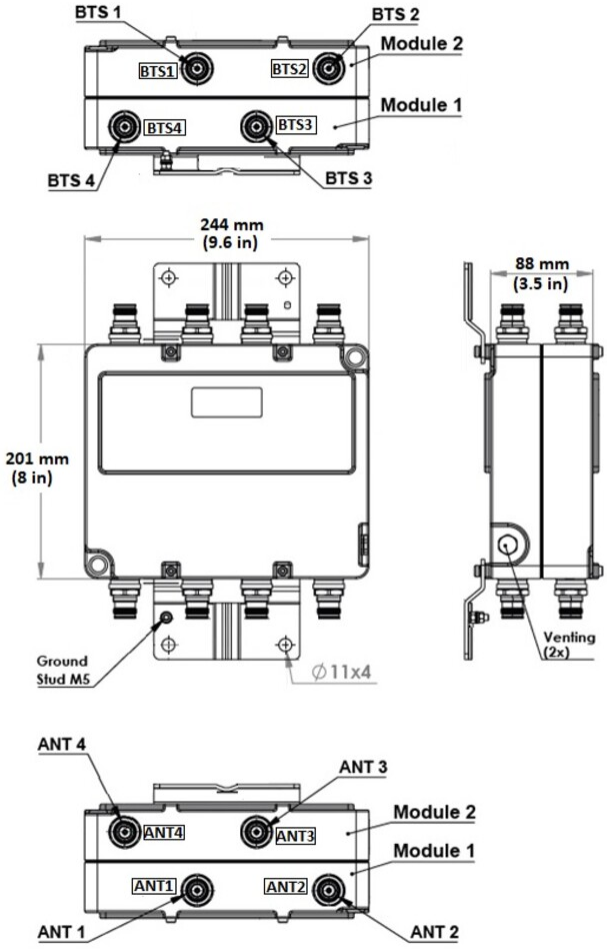

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Path	ANT port to BTS port
Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform

Electrical Specifications

Sub-module	**1 | 2 | 3 | 4**	**1 | 2 | 3 | 4**	**1 | 2 | 3 | 4**
Branch	1	1	1
Port Designation	TX B70	TX B66	RX B66/B70
License Band	AWS 2000, Band Pass	AWS 1700, Band Pass	AWS 1700, Band Pass AWS 2000, Band Pass

Electrical Specifications, Band Pass

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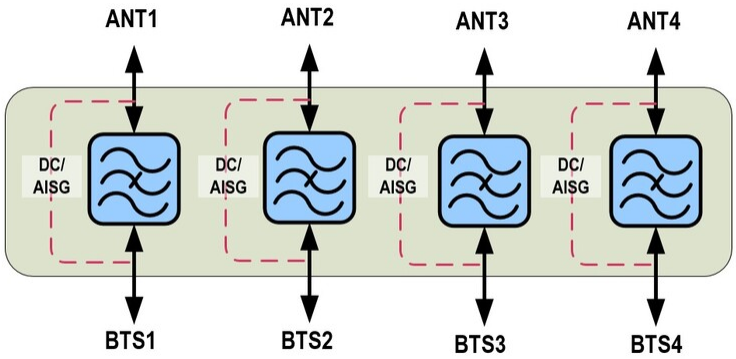
Frequency Range, MHz	**1995–2020**	**2155–2200**	**1695–1780**
Insertion Loss, typical, dB	0.4	0.2	0.15
Total Group Delay, maximum, ns	100	30	15
Return Loss, typical, dB	18	18	18
Input Power, RMS, maximum, W	100	100	
Input Power, PEP, maximum, W	1000	1000	
Higher Order PIM, minimum, dBc	-155	-155	
Higher Order PIM Test Method	2 x 20 W CW tones	2 x 20 W CW tones	

Electrical Specifications, Band Reject

Frequency Range, MHz	**2025–2110**
Attenuation, minimum, dB	40

Block Diagram



Environmental Specifications

Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
Relative Humidity	Up to 100%
Ingress Protection Test Method	IEC 60529:2001, IP67

Packaging and Weights

Included	Mounting hardware
Mounting Hardware Weight	0.4 kg | 0.882 lb
Volume	4.5
Weight, without mounting hardware	8.5 kg | 18.739 lb

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Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Above maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.andrew.com/ProductCompliance
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted

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