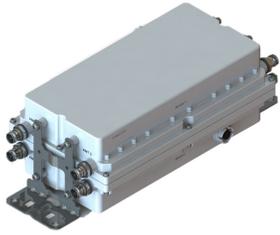


IMFQ-LMR-43 | E14V00P23



Quad IMF 700-750MHz Reject guard 757-758 MHz, DC Pass, 4.3-10 connectors

- Pass USA 700 & LMR 750 bands
- Reject any emission in LMR guard band 757-758 MHz
- DC/AISG passing capability from BTS port to ANT port
- New 4.3-10 connectors for improved PIM performance and size reduction

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

Dimensions

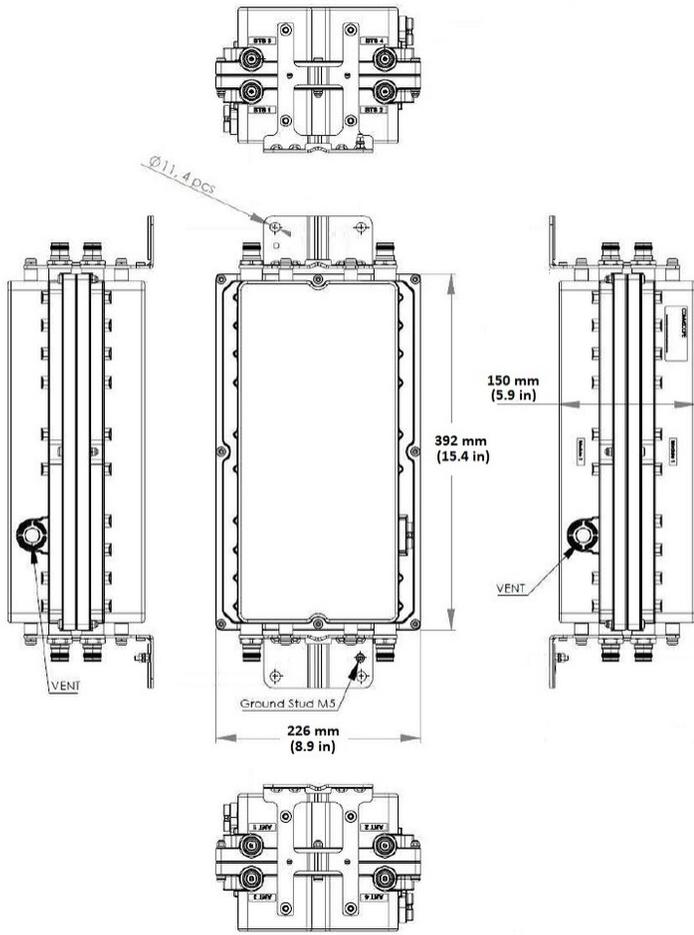
Height 392 mm | 15.433 in

Width 226 mm | 8.898 in

Depth 150 mm | 5.906 in

Outline Drawing

IMFQ-LMR-43 | E14V00P23



Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Path	Branch 1
Lightning Surge Current	8 kA
Lightning Surge Current Waveform	8/20 waveform

Electrical Specifications

Sub-module	1 2 3 4	1 2 3 4
Branch	1	1
Port Designation	Band 12	Band 14
License Band	USA 700, Band Pass	USA 750, Band Pass

Electrical Specifications, Band Pass

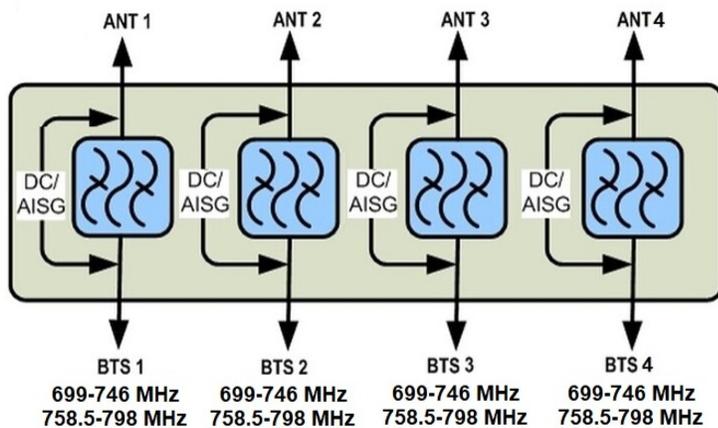
IMFQ-LMR-43 | E14V00P23

Frequency Range, MHz	699–746	758.5–798
Insertion Loss, maximum, dB	0.3	2.8
Insertion Loss, typical, dB	0.15	0.25
Total Group Delay, maximum, ns	10	600
Return Loss, minimum, dB	18	18
Input Power, RMS, maximum, W	160	
Input Power, PEP, maximum, W	1600	
3rd Order PIM, maximum, dBc	-161	

Electrical Specifications, Band Reject

Frequency Range, MHz	757–758
Attenuation, minimum, dB	30

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	0.9 kg 1.984 lb
Weight, without mounting hardware	10.4 kg 22.928 lb

