CS-IMF 14 RJ 1498.5-1506 50dB DC

- New 4.3-10 connectors for improved PIM performance and size reduction

General Specifications

Modularity
2-Twin

Electrical Specifications

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<th>Sub-module</th>
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Electrical Specifications, Band Pass

Frequency Range: 1452–1472 MHz
Insertion Loss, typical: 0.60 dB
Total Group Delay, maximum: 115 ns
Total Group Delay, typical: 65 ns
Return Loss, minimum: 18 dB
Return Loss, typical: 20 dB
Input Power, RMS, maximum: 100 W
Input Power, PEP, maximum: 1000 W
3rd Order PIM, typical: -160 dBc
3rd Order PIM Test Method: Two +43 dBm carriers

Electrical Specifications, Band Reject

Frequency Range:
- 1495–1498.5 MHz
- 1506–1518 MHz
- 1442–1449 MHz
- 1498.5–1506 MHz
Attenuation, minimum:
- 10 dB
- 35 dB
- 10 dB
- 50 dB

Product Classification

Product Type: Interference mitigation filter

dc Power/Alarm Electrical Specifications

Lightning Surge Current: 5 kA
Lightning Surge Current Waveform: 8/20 waveform
Block Diagram

Mechanical Specifications

**RF Connector Interface**  4.3-10 Female

**RF Connector Interface Body Style**  Long neck

**Ground Screw Diameter**  5.00 mm

**Color**  Gray

**Dimensions**

**Height**  98.0 mm  |  3.9 in

**Width**  176.0 mm  |  6.9 in

**Depth**  122.0 mm  |  4.8 in

**Weight, without mounting hardware**  3.2 kg  |  7.1 lb

**Environmental Specifications**

**Operating Temperature**  -40 °C to +60 °C (-40 °F to +140 °F)
Relative Humidity  
Up to 100% 

Ingress Protection Test Method  
IEC 60529:2001, IP67