

1D-IMF 881-888.4 RJ 880.1 37dB DC

General Specifications

Modularity	2-Twin
Includes	Mounting hardware

Electrical Specifications

Sub-module	1 2	1 2
Branch	1	1
License Band	CEL 850, Band Pass	CEL 850, Band Pass

Electrical Specifications, Band Pass

Frequency Range	814–849 MHz	925–960 MHz
Insertion Loss, maximum	2.50 dB	0.20 dB
Insertion Loss, typical	0.35 dB	0.10 dB
Total Group Delay, maximum	410 ns	17 ns
Total Group Delay, typical	50 ns	14 ns
Return Loss, minimum	18 dB	18 dB
Return Loss, typical	20 dB	20 dB
Input Power, RMS, maximum		300 W
Input Power, PEP, maximum		5000 W
3rd Order PIM, maximum		-150 dBc
3rd Order PIM, typical		-152 dBc
3rd Order PIM Test Method		2 x 20 W CW tones
5th Order PIM Test Method		2 x 20 W CW tones

Electrical Specifications, Band Reject

Attenuation, minimum	37 dB
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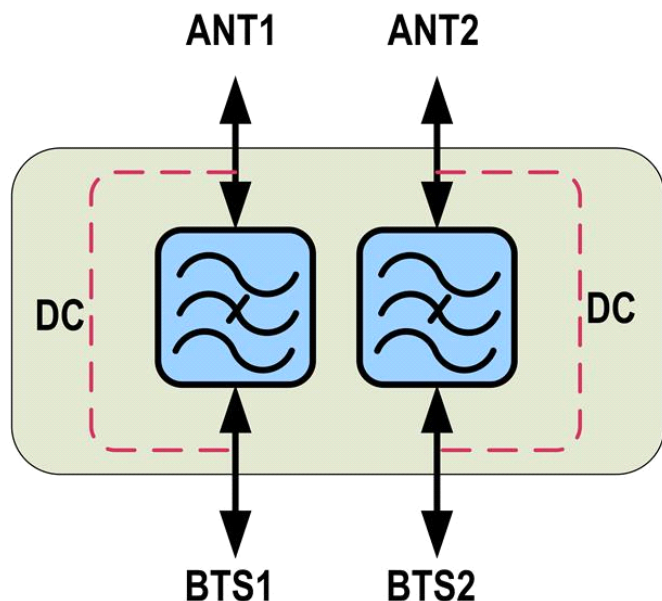
Product Classification

Product Type	Interference mitigation filter
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dc Power/Alarm Electrical Specifications

Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform

Block Diagram



Pass Band
TX 925 - 960 MHz
RX 890-915 MHz
Rejection Band
881-888.4 MHz
Attenuation 37 dB

Mechanical Specifications

RF Connector Interface	7-16 DIN Female
RF Connector Interface Body Style	Long neck
Ground Screw Diameter	5.00 mm
Color	Gray
Mounting Pipe Hardware	Band clamps (2)

Dimensions

Height	257.0 mm 10.1 in
Width	257.0 mm 10.1 in
Depth	109.0 mm 4.3 in
Weight, without mounting hardware	5.6 kg 12.3 lb

Environmental Specifications

Operating Temperature	-10 °C to +55 °C (-14 °F to +131 °F)
Relative Humidity	Up to 100%
Ingress Protection Test Method	IEC 60529:2001, IP67

Outline Drawing

