

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

## General Specifications

<b>Modularity</b>	2-Twin
<b>Includes</b>	Mounting hardware

## Electrical Specifications

<b>Sub-module</b>	1   2	1   2
<b>Branch</b>	1	1
<b>License Band</b>	CEL 850, Band Pass	CEL 850, Band Pass

## Electrical Specifications, Band Pass

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

## Electrical Specifications, Band Reject

<b>Attenuation, minimum</b>	37 dB
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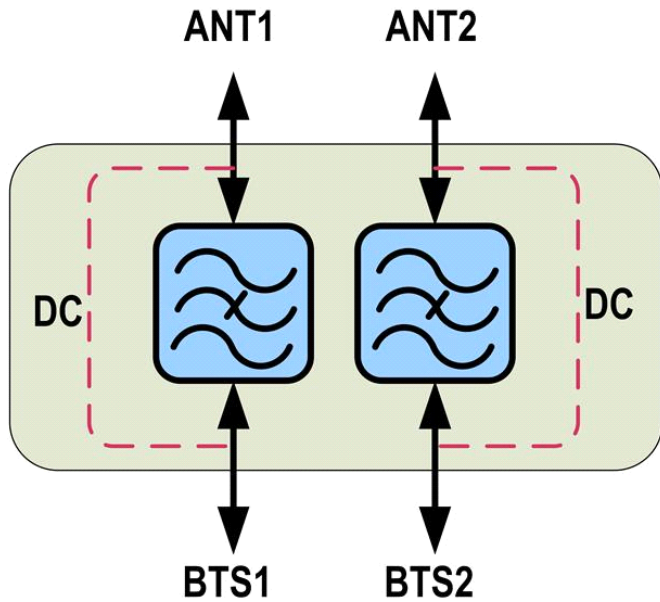
## Product Classification

<b>Product Type</b>	Interference mitigation filter
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## dc Power/Alarm Electrical Specifications

<b>Lightning Surge Current</b>	5 kA
<b>Lightning Surge Current Waveform</b>	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

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

## Dimensions

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

## Environmental Specifications

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

Outline Drawing

