## E14F10P85



# Twin Triplexer 380-960/1350-1880/1920-2690, DC bypass for all ports, 4.3-10 connectors

- New 4.3-10 connectors for improved PIM performance and size reduction
- Twin configuration
- dc/AISG pass-through on all frequency ports

#### Product Classification

Product Type	Triplexer
General Specifications	
Color	Gray
Modularity	2-Twin
Mounting	Pole   Wall
Mounting Pipe Hardware	Band clamps (2)
RF Connector Interface	4.3-10 Female
Dimensions	
Height	103.2 mm   4.063 in
Width	226 mm   8.898 in
Depth	189.5 mm   7.461 in
Mounting Pipe Diameter Range	42.6-122 mm

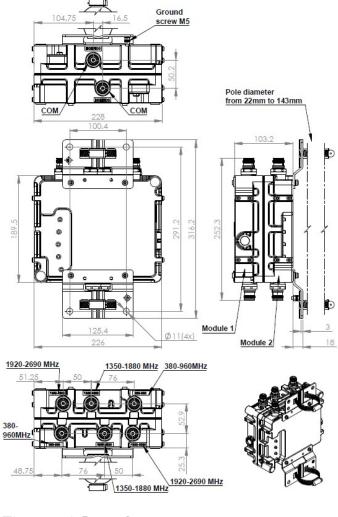
### Outline Drawing

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### **Electrical Specifications**

#### Impedance

50 ohm

#### Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Path	Branch 1   Branch 2   Branch 3
dc/AISG Pass-through, combiner	Branch 1   Branch 2   Branch 3
dc/AISG Pass-through, demultiplexer	Branch 1   Branch 2   Branch 3
Lightning Surge Current	10 kA
Lightning Surge Current Waveform	8/20 waveform

#### **Electrical Specifications**

1|2

1 | 2

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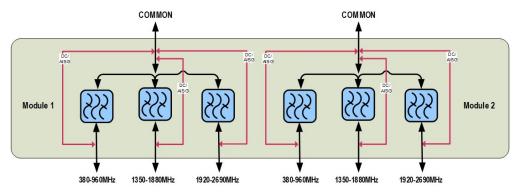
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Branch Port Designation	1 380-960	2 1350-1880	3 1920-2690	
Electrical Specifications, Band Pass				
Frequency Range, MHz	698-960	1350-1880	1920-2690	
Insertion Loss, typical, dB	0.25	0.35	0.35	
Return Loss, typical, dB	20	20	20	
Isolation, typical, dB	52	52	52	
Input Power, RMS, maximum, W	200	200	200	
Input Power, PEP, maximum, W	2000	2000	2000	
3rd Order PIM, typical, dBc	-162	-162	-162	
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers	

#### Block Diagram



### Environmental Specifications

Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
Corrosion Test Method	IEC 60068-2-11, 30 days
Environmental Test Method	ETSI EN 300 019-1-4
Ingress Protection Test Method	IEC 60529:2001, IP67

#### Packaging and Weights

Included	Mounting hardware
Volume	4.45 L
Weight, net	6.5 kg   14.33 lb
Weight, without mounting hardware	6 kg   13.228 lb

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