# E14F10P97



Twin Triplexer 380-960/1350-2200/2300-2700, DC bypass on 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	102 mm   4.016 in
Width	168.5 mm   6.634 in
Depth	116.5 mm   4.587 in
Mounting Pipe Diameter Range	43–122 mm

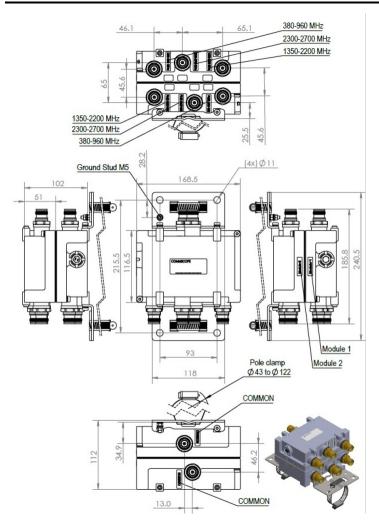
#### Outline Drawing

Page 1 of 3



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## Electrical Specifications

Impedance

50 ohm

#### Electrical Specifications, dc Power/Alarm

Branch 1   Branch 2   Branch 3
Branch 1   Branch 2   Branch 3
Branch 1   Branch 2   Branch 3
10 kA
8/20 waveform

### **Electrical Specifications**

Sub-module	1   2	1   2	1   2
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Page 2 of 3

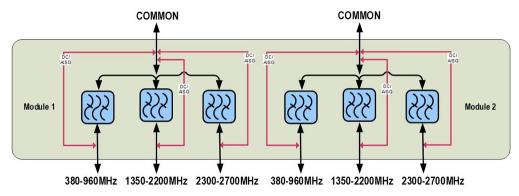


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Branch Port Designation	1 380-960	2 1350-2200	3 2300-2700
Electrical Specifications, Band Pass			
Frequency Range, MHz	380-960	1350-2200	2300-2700
Insertion Loss, typical, dB	0.2	0.2	0.2
Return Loss, typical, dB	20	20	20
Isolation, typical, dB	52	52	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	2 L	
Weight, with mounting hardware	3.8 kg   8.378 lb	
Weight, without mounting hardware	3.4 kg   7.496 lb	

Page 3 of 3



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