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

MountingPole | WallMounting Pipe HardwareBand clamps (2)RF Connector Interface4.3-10 Female

Dimensions

 Height
 103.2 mm | 4.063 in

 Width
 226 mm | 8.898 in

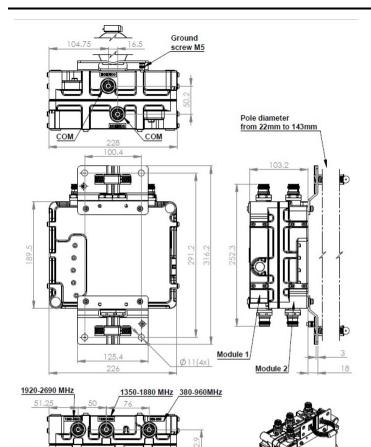
 Depth
 189.5 mm | 7.461 in

Mounting Pipe Diameter Range 42.6–122 mm

Outline Drawing



E14F10P85





Impedance 50 ohm

Electrical Specifications, dc Power/Alarm

1920-2690 MHz

dc/AISG Pass-through PathBranch 1| Branch 2| Branch 3dc/AISG Pass-through, combinerBranch 1| Branch 2| Branch 3dc/AISG Pass-through, demultiplexerBranch 1| Branch 2| Branch 2| Branch 3

Lightning Surge Current 10 kA

Lightning Surge Current Waveform 8/20 waveform

Electrical Specifications

Sub-module 1 | 2 1 | 2 1 | 2

ANDREW®
an Amphenol company

Page 2 of 3

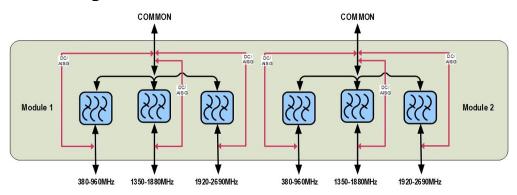
E14F10P85

| Branch | 1 | 2 | 3 |
|------------------|---------|-----------|-----------|
| Port Designation | 380-960 | 1350-1880 | 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 $-40 \,^{\circ}\text{C} \text{ to } +65 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +149 \,^{\circ}\text{F})$

Corrosion Test MethodIEC 60068-2-11, 30 daysEnvironmental Test MethodETSI EN 300 019-1-4Ingress Protection Test MethodIEC 60529:2001, IP67

Packaging and Weights

Included Mounting hardware

Volume 4.45 L

Weight, net $6.5 \text{ kg} \mid 14.33 \text{ lb}$ Weight, without mounting hardware $6.5 \text{ kg} \mid 13.228 \text{ lb}$

