STX192127Q-N10 | E11F03P85



Ultra-Compact Quad Triplexer PCS/AWS/2496-2700MHz, NEX10 connectors

- BTS-to-feeder and feeder-to-antenna application
- Miniature NEX10™ series connector for superior PIM and compact size
- dc/AISG blocking on all ports
- Suitable for space limited applications like Metro Cell, Lamp Pole, Concealment Solution and Macro Site
- Ideal for small cell applications

Product Classification

Product Type Triplexer

General Specifications

ColorGrayCommon Port LabelCOMMModularity4-Quad

Mounting Pole | Wall

Mounting Pipe HardwareBand clamps (2)RF Connector InterfaceNEX10 Female

RF Connector Interface Body Style Long neck

Dimensions

 Height
 87 mm | 3.425 in

 Width
 259 mm | 10.197 in

 Depth
 67 mm | 2.638 in

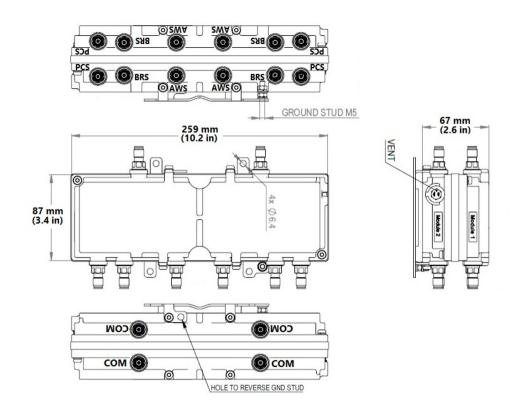
 Ground Screw Diameter
 5 mm | 0.197 in

 Mounting Pipe Diameter Range
 42.6–122 mm

Outline Drawing



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Electrical Specifications

Impedance 50 ohm

License Band, Band Pass AWS 1700 | AWS 2000 | DCS 1800 | IMT 2100 | IMT 2600 | PCS

1900 | TDD 2600

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Method No dc/AISG pass-through

Lightning Surge Current 5 kA

Lightning Surge Current Waveform 8/20 waveform

Electrical Specifications

| Sub-module | 1 2 | 1 2 | 1 2 |
|------------------|-------|-------|-------|
| Branch | 1 | 2 | 3 |
| Port Designation | PCS | AWS | BRS |

License Band PCS 1900, Band Pass AWS 1700, Band Pass TDD 2600, Band Pass AWS 2000, Band Pass IMT 2600, Band Pass

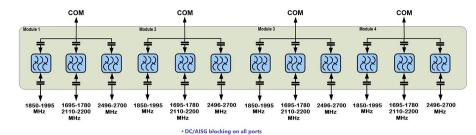


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Electrical Specifications, Band Pass

| Frequency Range, MHz | 1850-1995 | 1695-1780 2110-2200 | 2496-2700 |
|--------------------------------|----------------------|------------------------|----------------------|
| Insertion Loss, maximum, dB | 0.35 | 0.3 | 0.3 |
| Total Group Delay, maximum, ns | 15 | 15 | 8 |
| Return Loss, typical, dB | 20 | 20 | 20 |
| Isolation, minimum, dB | 35 | 35 | 35 |
| Input Power, RMS, maximum, W | 85 | 85 | 85 |
| Input Power, PEP, maximum, W | 1000 | 1000 | 1000 |
| 3rd Order PIM, typical, dBc | -155 | -155 | -155 |
| 3rd Order PIM Test Method | Two +43 dBm carriers | Two +43 dBm carriers | Two +43 dBm carriers |

Block Diagram



Environmental Specifications

Operating Temperature $-40 \,^{\circ}\text{C} \text{ to } +65 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +149 \,^{\circ}\text{F})$

Relative Humidity Up to 100%

Corrosion Test Method IEC 60068-2-11, 30 days
Ingress Protection Test Method IEC 60529:2001, IP67

Packaging and Weights

IncludedMounting hardwareMounting Hardware Weight0.2 kg | 0.441 lb

Volume 1.5 L

Weight, without mounting hardware 2.66 kg | 5.864 lb

