

E14F06P58



Diplexer, 1350-2200 / 2300-2700 MHz, dc bypass all ports, 4.3-10 connectors

- Industry leading PIM performance
- New 4.3-10 connectors for improved PIM performance and size reduction
- Designed for network Modernization, introduction of LTE1800 on existing site
- Designed for network modernization application, introduction of LTE2300 and LTE2600 on existing site
- dc/AISG pass-through on all frequency ports

Product Classification

Product Type Diplexer

General Specifications

Color Gray

Modularity 1-Single

Mounting Pole | Wall

Mounting Pipe Hardware Band clamps (2)

RF Connector Interface 4.3-10 Female

RF Connector Interface Body Style Long neck

Dimensions

Height 55 mm | 2.165 in

Width 121 mm | 4.764 in

Depth 117 mm | 4.606 in

Mounting Pipe Diameter Range 43–122 mm

Electrical Specifications

Impedance 50 ohm

License Band, Band Pass AWS 1700 | DCS 1800 | IMT 2100 | IMT 2600 | PCS 1900 | WCS 2300

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Path Branch 1 | Branch 2

dc/AISG Pass-through, combiner Branch 1 | Branch 2

dc/AISG Pass-through, demultiplexer Branch 1 | Branch 2

E14F06P58

Lightning Surge Current	10 kA
Lightning Surge Current Waveform	8/20 waveform

Electrical Specifications

Sub-module	1	1
Branch	1	2
Port Designation	1350-2200	2300-2700
License Band	AWS 1700, Band Pass DCS 1800, Band Pass IMT 2100, Band Pass PCS 1900, Band Pass	IMT 2600, Band Pass WCS 2300, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	1350–2200	2300–2700
Insertion Loss, typical, dB	0.2	0.2
Return Loss, typical, dB	20	20
Isolation, typical, dB	52	52
Input Power, RMS, maximum, W	200	200
Input Power, PEP, maximum, W	2000	2000
3rd Order PIM, typical, dBc	-162	-162
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers

Environmental Specifications

Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
Relative Humidity	Up to 100%
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	0.8 L
Weight, with mounting hardware	1.6 kg 3.527 lb
Weight, without mounting hardware	1.2 kg 2.646 lb