**E11F05P98****OneBase™ Diplexer, DCS 1800/UMTS 2100, AISG compatible, dc pass on UMTS port**

Electrical Specifications

dc Pass-through	Band 2
3rd Order IMD Test Method	Two +43 dBm carriers
3rd Order IMD, maximum	-110 dBm
3rd Order IMD, typical	-117 dBm
Isolation Between Paths, minimum	50.0 dB
Lightning Surge Current	3 kA
Lightning Surge Current Waveform	10/350 waveform

Electrical Specifications (Branch 1)

License Band	DCS 1800
Operating Frequency Band	1710 – 1880 MHz
Insertion Loss, maximum	0.40 dB
Insertion Loss, typical	0.15 dB
Output Power, maximum composite	250 W
Return Loss at Frequency Band, minimum	18 dB @ 1710–1880 MHz
Return Loss at Frequency Band, typical	20 dB @ 1710–1880 MHz

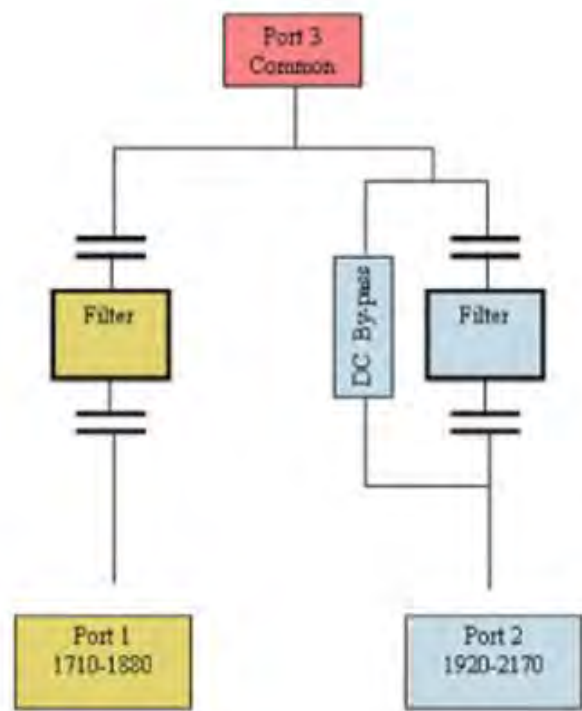
Electrical Specifications (Branch 2)

License Band	UMTS
Operating Frequency Band	1920 – 2170 MHz
Insertion Loss, maximum	0.50 dB
Insertion Loss, typical	0.25 dB
Output Power, maximum composite	250 W
Return Loss at Frequency Band, minimum	18 dB @ 1920–2170 MHz
Return Loss at Frequency Band, typical	20 dB @ 1920–2170 MHz

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Block Diagram



General Specifications

Product Type	Diplexer
Application	Indoor Outdoor
Includes	Mounting hardware

Mechanical Specifications

Color	Gray
Connector Interface	7-16 DIN Female
Connector Interface Style	Long neck
Mounting Pipe Diameter	40–160 mm
Mounting Pipe Hardware	Band clamps

Environmental Specifications

Ingress Protection Test Method	IEC 60529:2001, IP67
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)

Dimensions

Depth	42.0 mm 1.7 in
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Height	149.0 mm 5.9 in
Volume	0.9 L
Width	145.0 mm 5.7 in
Weight, without mounting hardware	2.0 kg 4.4 lb

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system