

PCS Twin In-Band Diplexer C3 Block, ADBE/C3 Bands

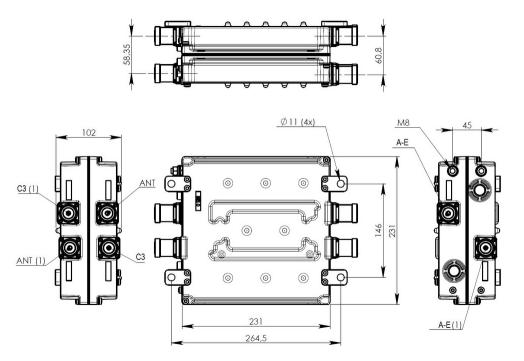
Product Classification	
Product Type	Diplexer
General Specifications	
Application	Indoor Outdoor
Connector Interface	7-16 DIN Female
Connector Interface Style	Long neck
Dimensions	
Height	231 mm 9.094 in
Width	231 mm 9.094 in
Depth	102 mm 4.016 in
Ground Screw Diameter	8 mm 0.315 in

Outline Drawing

Page 1 of 4



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Electrical Specifications

3rd Order IMD Test Method	Two +43 dBm carriers
3rd Order IMD, maximum	155 dBm
Lightning Surge Current	20 kA
Lightning Surge Current Waveform	8/20 waveform

Electrical Specifications, Rx (Uplink)

Frequency Band	1850 – 1890 MHz
Insertion Loss, maximum	0.5 dB
Return Loss, minimum	18 dB
Isolation, minimum	30 dB

Electrical Specifications 2, Rx (Uplink)

Frequency Band	1895 – 1900 MHz
Isolation, minimum	30 dB
Insertion Loss, maximum	0.6 dB
Return Loss, minimum	18 dB

Electrical Specifications, Tx (Downlink)

Page 2 of 4



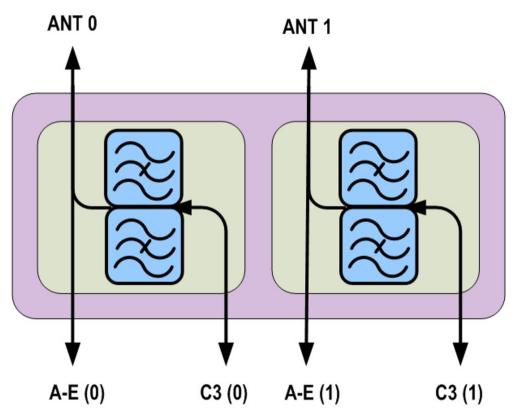
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Frequency Band	1930 – 1970 MHz
Isolation, minimum	30 dB
Input Power, PEP, maximum	3000 W
Input Power, RMS, maximum	100 W
Insertion Loss, typical	0.5 dB
Return Loss, minimum	18 dB

Electrical Specifications 2, Tx (Downlink)

Frequency Band	1975 – 1980 MHz
Input Power, PEP, maximum	3000 W
Insertion Loss, typical	0.6 dB
Isolation, minimum	30 dB
Return Loss, minimum	18 dB

Block Diagram



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Page 3 of 4

Environmental Specifications

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Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Ingress Protection Test Method	IEC 60529:2001, IP67
Packaging and Weights	
Included	Brackets
Weight, net	7.7 kg 16.976 lb

Page 4 of 4



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