

Directional Coupler, 698-2700 MHz, Low PIM

Pulse Part Number DASCOUNxDBNF Series



Directional Couplers are used when part of a signal needs to be separated off. Typical coupling ranges are from 3 dB to 50 dB

Features

- IP 65
- Industry leading <-160 dBc PIM rating
- Covers Cellular bands and WiMAX from 698-2700 MHz
- RoHS Compliant

Applications

- May be used in place of power splitters when a known value of coupling is needed
- In Building and Outdoor DAS Systems requiring best PIM performance

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Electrical Specifications

Frequency (MHz)	698-2700 MHz	
Nominal Impedance Ω	50 Ω	
VSWR	≤ 1.20	
Insert Loss at Band	DASCOUP10DBNF	≤ 0.7 dB @698-2700 MHz
Isolation at Band	DASCOUP10DBNF	≥ 30 dB @ 698-2700 MHz
Insert Loss at Band	DASCOUP6DBNF	≤ 1.6 dB @698-2700 MHz
Isolation at Band	DASCOUP6DBNF	≥ 26 dB @ 698-2700 MHz
Directivity	≥ 20 dB	
PIM	≤ -155 dBc (@ 243*43dBm)	
Average Power Max	200 Watts	
Peak Power Max	1000 Watts	
Coupling	DASCOUP6DBNF	6 dB
Coupling	DASCOUP10DBNF	10 dB
Coupling Tolerance	± 1.0 dB	

Environmental Specifications

Operating Temperature	-30+85 ° C
Relative Humidity	Up to 100%

Mechanical Specifications

Connecto	N Female
Color	Black
Inner Contact Plating	Silver
Outer Trimetal Plating	Trimetal

For More Information

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