

Directional Coupler, 698-4000 MHz

Part No.: DC-X-0740-43Fi

Main Features

- Wide Bandwidth
- Low Insertion Loss, Low PIM, Low VSWR
- Cavity Structure, High Power Handling
- High Power Handling, High Reliability



Electrical Specifications

Frequency Range	698 - 4000 MHz									
Coupling(dB)	5	6	7	8	10	13	15	20	30	40
Insertion Loss(dB)	≤ 2.1	≤ 1.7	≤ 1.5	≤ 1.1	≤ 1.0	≤ 0.7	≤ 0.5	≤ 0.4	≤ 0.3	≤ 0.2
In-band Ripple(dB)	± 1.0	± 1.0	± 1.0	± 1.0	± 1.2	± 1.5	± 1.5	± 1.5	± 1.6	± 1.8
Directivity	≥ 20 dB						≥ 18 dB			
Return Loss / VSWR	≤ -20 dB / 1.22									
PIM (IM3)	< -155 dBc @ 2 x 43dBm									
Power Handling	300 W									
Impedance	50 Ω									

Environmental Specifications

Applied Environment	Outdoor or Indoor, IP 65
Relative Humidity	5 to 95%
Operating Temperature	-20 °C to +65 °C
Storage Temperature	-40 °C to +85 °C

Mechanical Specifications

Connector Type	4.3-10 Female
Materials	Cavity: Aluminum; Connector: Copper
Processing	Silver plated cavity and inner conductor
Net Weight	0.35 Kg
Dimensions	164.5 x 64.5 x 28 mm

Outline Drawing

