

Technical proposal for JX-DC-575-3600-XCDI-3/5/6/8/10/1 3/15/20/30/40 Air Dielectric Directional Coupler

Revision History

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1. Mechanical layout

Table 1 Mechanical specifications

Dimension	LxWxH: 177.2mm x 38mm x 68.6mm
Connector Type	7/16(DIN)/Female
Housing Finish Color	Gray / Gold / Frosted Matte Black
Applications	Indoor/Outdoor Use, IP65, RoHS Compliant

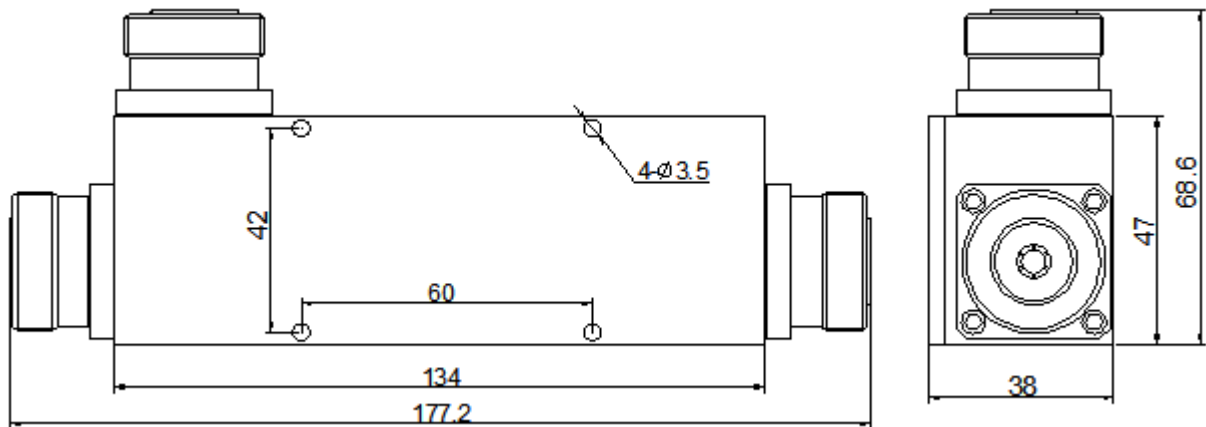


Figure 1 JX-DC-575-3600-XCDI front panel layout

2. Electrical analysis

Table 2 Electrical specifications

Item	Specification									
Frequency Range	575-3600 MHz									
Coupling(dB)	3±0.8	5±1.0	6±1.0	8±1.0	10±1.0	13±1.0	15±1.0	20±1.0	30±1.0	40±1.5
Insertion loss	3.6 dB	2.3 dB	1.8 dB	1.1 dB	0.8 dB	0.5 dB	0.5 dB	0.4 dB	0.3 dB	0.3 dB
VSWR	1.25:1									
Directivity	20 dB									
Intermodulation	-153dBc@2x43dBm									
Average Power	200 W									
Impedance	50(Ω)									
Temperature Range	-35 - +70(°C)									

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