

Directional Coupler Specification

PN:Cx-338-yy (x=coupling, yy= connector type)

- . Multiple-Band Freq 350, 700, 850, 900, PCS, UMTS, WCS, CBRS
- . Minimal RF Insertion Loss
- . High Reliability, IP65
- . Guaranteed Low PIM
- . RoHS Compliant

1. Electric performance

	5dB	6dB	8dB	10dB	15dB	20dB	30dB
Frequency	350-3800						
Coupling	5±1.0	6±1.0	8±1.2	10±1.3	15±1.5	20±1.5	30±1.6
Insertion Loss	2.1 dB	1.8 dB	1.5 dB	0.8 dB	0.5 dB	0.3dB	0.3 dB
Directivity	20 dB	20 dB	20 dB	20 dB	20 dB	20 dB	20 dB
VSWR	1.25:1						
PIM 2X43dBm	- 160dBc - 168dBc typical						
DC pass/block	Pass(current 2A)						
Power average	200W						
Power peak	2000W						
Impedance	50 ohm						

2. Environment

Waterproof	IP65	
Work temp	-40-75℃	
store temp	-50-85℃	
Work Humidity	<95%	
Work Altitude	<5000m	
Salt fog	168 hours	
ROHS	compliant	

3. Mechanical

Connector type	Option: N(f) 4.3/10(f) 7/16(f)	
Connector material	Body: brass+ COPPER-TIN-ZINC2μm Inner conductor: beryllium copper+Ag 3um Insulator:PTFE	
Surface	Grey powder	Customized colors

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Thermal shock	IEC 60068-2-14-Na	
Vibration	IEC 60068-2-6-Fc	
Shock	IEC 60068-2-27	
Mounting	Wall, bracket	M3/M4 bolt
Unit Dimension	167X38X22mm	See below
Unit Package	220X70X40mm	
Unit Weight	400g	
Carton qty	20 pcs/box	
Carton dimension	35X30X20CM	
Carton weight	8 Kg	
Connector torque	N: 1.36 N/m 4.3/10: 1.6 N/m 7/16: 1.6 N/m	Recommend

