

Directional Coupler Specification

PN:Cx-638-yy (x=coupling yy=connector type)

- . Multiple-Band Freq 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	13dB	15dB	20dB	30dB
Frequency	650-3800 MHz							
Coupling	5±1 dB	6±1 dB	8±1 dB	10±1 dB	13±1 dB	15±1 dB	20±1 dB	30 ±1.5 dB
Insertion Loss	2.1 dB	1.8 dB	1.4 dB	1.2 dB	0.8 dB	0.5 dB	0.3dB	0.35 dB
Directivity	20 dB	20 dB	20 dB	20 dB	20 dB	20 dB	20 dB	20 dB
PIM 2X43dBm	- 160dBc - 165dBc typical							
VSWR	1.25							
DC pass/block	Pass(current 2A) in-out							
Power average	200 W							
Power peak	2000 W							
Impedance	50 ohm							

2. Environment

Waterproof	IP65	
Work temp	-40-75°C	
store temp	-50-85°C	
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
Thermal shock	IEC 60068-2-14-Na	
Vibration	IEC 60068-2-6-Fc	
Shock	IEC 60068-2-27	
Mounting	Wall, bracket	M3 bolt
Unit Dimension	120X40X22mm	See below
Unit Package	170X70X30mm	
Unit Weight	300g	
Carton qty	28 pcs/box	
Carton dimension	35X30X20CM	
Carton weight	10Kg	
Connector torque	N: 1.36 N/m 4.3/10: 1.6 N/m 7/16: 1.6 N/m	Recommend



