

Directional Coupler Specification

PN:Cx-585-yy (x=coupling, yy= connector type)

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

1. Electric performance

Coupling	10dB	20dB	30dB
Frequency	500-8500 MHz		
Coupling tolerance	10+2.5@0.5-1GHz 10±1.5@1-8.5GHz	20+2.5@0.5-1GHz 20±1.5@0.5-1GHz	30 +2.5@0.5-1GHz 30 ±1.5@0.5-1GHz
Insertion Loss	1.5 dB	0.5dB	0.4 dB
Isolation	20 dB	30dB	40dB
PIM 2X43dBm	- 160dBc - 165dBc typical		
VSWR	1.30@0.5-3GHz 1.35@3-8.5GHz		
DC pass/block	Pass(current 2A)		
Power average	200 W		
Power peak	2000 W		
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)	
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	125X28X23mm	See below
Unit Package	170X70X40mm	
Unit Weight	250g	
Carton qty	30 pcs/box	
Carton dimension	35X30X20CM	
Carton weight	8Kg	
Connector torque	N: 1.36 N/m 4.3/10: 1.6 N/m	Recommend

