

RF Directional coupler 700-2700MHz

Model : CPL-100X

Feature

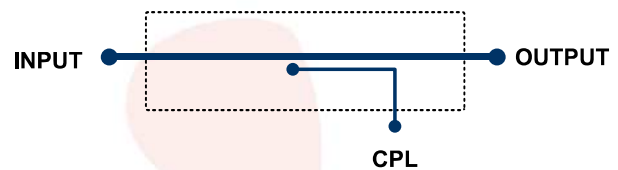
- Seven types of couplers are prepared It is used as a distributor for distributing antennas of IBS base stations and covers frequencies up to 700-2700 MHz, so it can be use for various mobile system.
- All units are provided with 50 ohm
- N-Type/DIN 7/16 or 4.3-10 connector types



Application

- Telecommunication purpose
- IBC/IBS
- Test lab/ Repair
- Test instrumentation

Block diagram



Electrical characteristics

Model	CPL 1009	CPL 1000	CPL 1005	CPL 1006	CPL 1003	CPL 1004	CPL 1007
Frequency Band	700-2700MHz						
Insertion Loss	3.8 dB max	3.4 dB max	1.5 dB max	1.3 dB max	0.7 dB max	0.3 dB max	0.3 dB max
V.S.W.R	1.2						
Couple (Input-Output)	3 ± 0.8dB	3 ± 1dB	7 ± 1dB	8 ± 1dB	10 ± 1dB	20 ± 1dB	30 ± 1dB
Directivity	20dB max						
Impedance	50Ω						
Passive Intermodulation (dBc)	-153 dBc CW 2x43 dBm						
Average Maximum Power	200W						

Mechanical characteristics

Dimensions	19×118×35 mm (Height x Width x Depth) CPL 1009	20×155×40 mm (Height x Width x Depth)
Weight	350g Max (Not included projecting parts)	480g Max (Not included projecting parts)
Connector	N/DIN 7/16/4.3-10 Female	
Mounting	4-φ4TH	

Environmental characteristics

Operating Temperature	-25°C to +75°C
Storage Temperature	-30°C to +80°C
Relative Humidity	5~95% ~ +35°C
Lighting Protection	Non-applied
RoHS Applicant	Complied