### Amtery Quick Delivery. Reliable Quality. Instant Service

# CP20710P150-20

High Power Bi-Directional Coupler 7 – 10 GHz



# **RoHS Compliant**



#### **Electrical Specifications**

Parameter	Unit	Frequency (GHz)	Min.	Тур.	Max.
Nominal Coupling (Forward Direction)	dB	7 – 10	19.2	20	20.8
Coupling Flatness (Forward Direction)				±0.25	±0.3
Directivity (Forward Direction)			20	22	
Main Line VSWR	:1			1.15	1.25
Coupled Line VSWR				1.20	1.30
Insertion Loss (Including Coupling Loss)	dB			0.35	0.5
Nominal Coupling (Reverse Direction)			19.2	20	20.8
Coupling Flatness (Reverse Direction)				±0.25	±0.3
Directivity (Reverse Direction)			18	21	
Average Power Handling	W				150

Operated in  $50\Omega$  system,  $25^{\circ}$ C environment.

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### **Outline Drawing**



### **Typical Performance**



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Frequency (GHz)

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Typical performance S-parameter file: https://www.amtery.com/en/goods-68 For each S/N S-parameter file, go to https://www.amtery.com/en/downloads Note: Specifications are subject to change without notice.

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