

RoHS Compliant

Electrical schematic



Electrical Specifications

Parameter	Unit	Frequency (GHz)	Min.	Тур.	Max.
Nominal Coupling (Forward Direction)	dB	2 – 18	9	10	11
Coupling Flatness (Forward Direction)				±0.6	±0.9
Directivity (Forward Direction)			17	22	
Main Line VSWR	:1	2-8		1.15	1.25
		8 - 18		1.20	1.35
Coupled Line VSWR		2 – 8		1.20	1.25
		8 - 18		1.25	1.35
Insertion Loss (Including Coupling Loss)	dB	2 – 18		1.1	1.4
Nominal Coupling (Reverse Direction)			9.4	10.4	11.4
Coupling Flatness (Reverse Direction)				±0.8	±1.1
Directivity (Reverse Direction)			15	20	
Average Power Handling	W	2 – 18			20

Operated in 50Ω system, 25° C environment.

Outline Drawing





Typical Performance



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CP20218A-10 Bi-Directional Coupler 2 – 18 GHz



Typical performance S-parameter file: <u>https://www.amtery.com/en/goods-51</u> For each S/N S-parameter file, go to <u>https://www.amtery.com/en/downloads</u> Note: Specifications are subject to change without notice.