

JY-ADC-20-132+ 20db coupler

20dB coupler Frequency: 100-1300MHZ.

Feature:

.20dB COUPLER.

.SMT part.

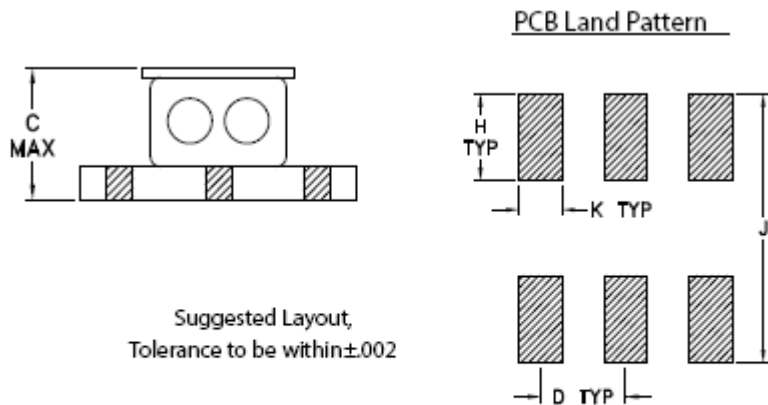
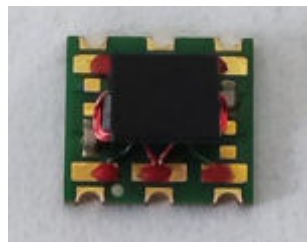
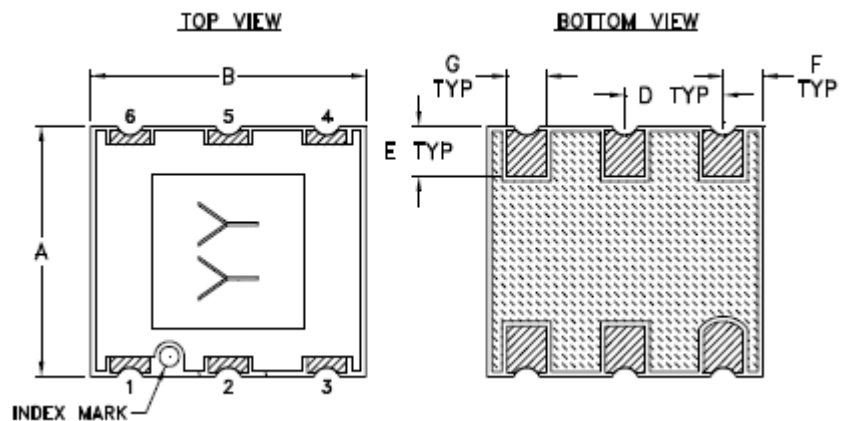
.Packaging 1000pcs per reel.

.used in 50 ohm systems.

.Weld connect.

ROHS COMPLIANT

OUTLINE DRAWING



Suggested Layout,
Tolerance to be within ± 0.002

NOTES:

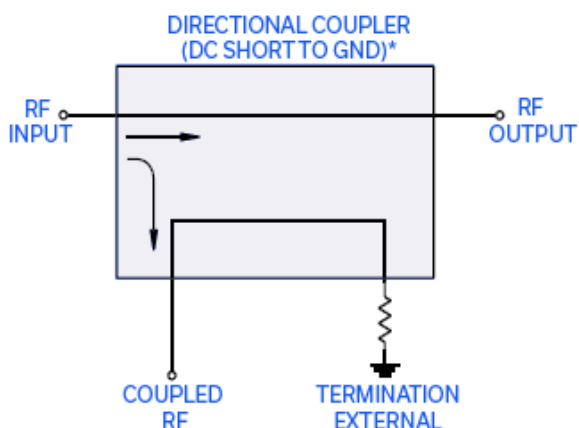
1. DENOTES METALLIZATION
2. DENOTES SOLDER RESIST

DIMENSIONS (Inches)
mm

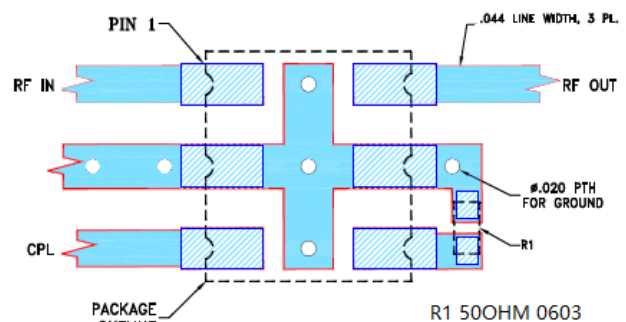
A	B	C	D	E	F	G	H	J	K
.250	.280	.140	.100	.050	.040	.040	.100	.310	.050
6.35	7.11	3.56	2.54	1.27	1.02	1.02	2.54	7.87	1.27

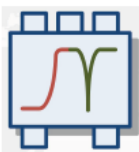
Weight: 0.35 grams

ELECTRICAL SCHEMATIC



SUGGESTED PCB LAYOUT

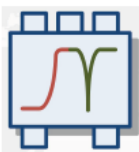




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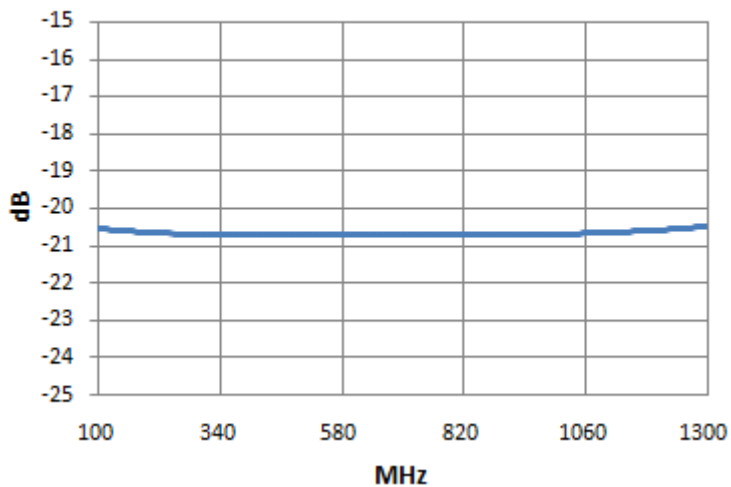
PIN	FUNCTION
1	Input
2	Ground
3	Coupled
4	External 50 ohms
6	Output

Electrical Specifications: TA=25°C, Zo=50Ω					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Coupling	100-1300MHz	dB	---	20	---
Coupling Flatness(±)	100-1000MHz	dB	---	1.0	1.6
	100-1300MHz	dB	---	1.5	2.5
Mainline Loss	100MHz	dB	---	0.3	0.6
	500MHz	dB	---	0.2	0.4
	1000MHz	dB	---	0.3	0.5
	1300MHz	dB	---	0.4	0.7
Input return loss	200-1000MHz	dB	-	19	-
	100-1300MHz	dB	-	15	-
Output return loss	200-1000MHz	dB	-	20	-
	100-1300MHz	dB	-	15	-
Coupling Return Loss	200-1000MHz	dB	-	17	-
	100-1300MHz	dB	-	15	-
Directivity	100MHz	dB	20	25	-
	500MHz	dB	18	23	-
	1000MHz	dB	14	18	-
	1300MHz	dB	10	15	-
Input Power		5W			
Test Impedance (50Ω,75Ω, etc.)		50OHM			
Operating Temperature		-40°C to +85°C			
Storage Temperature		-55°C to +100°C			

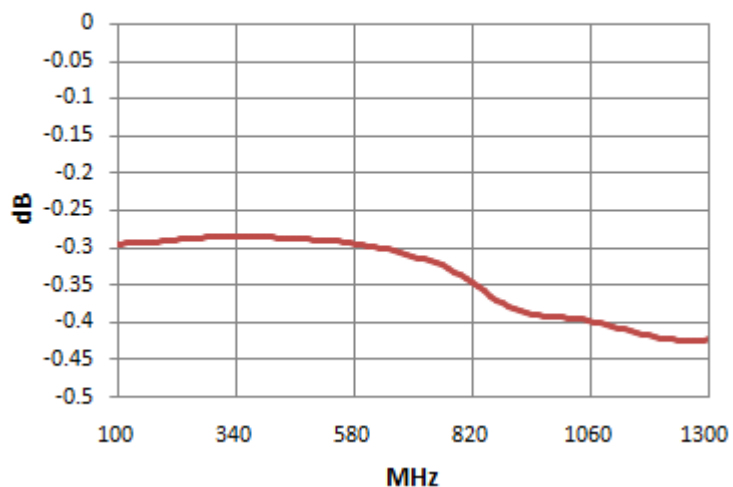


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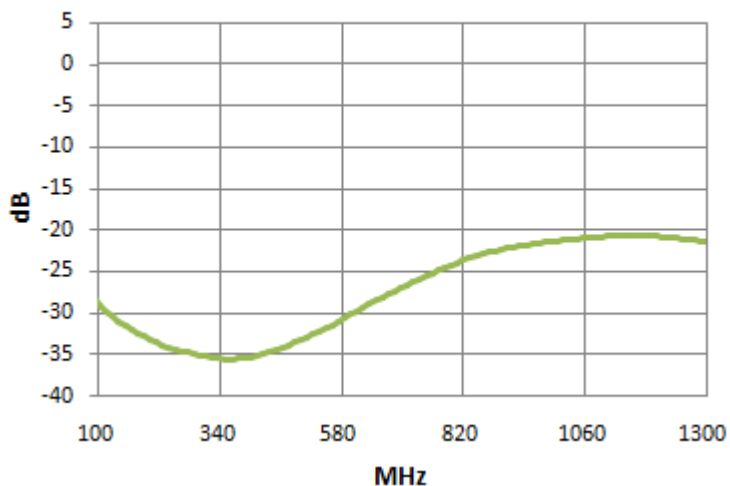
Coupling



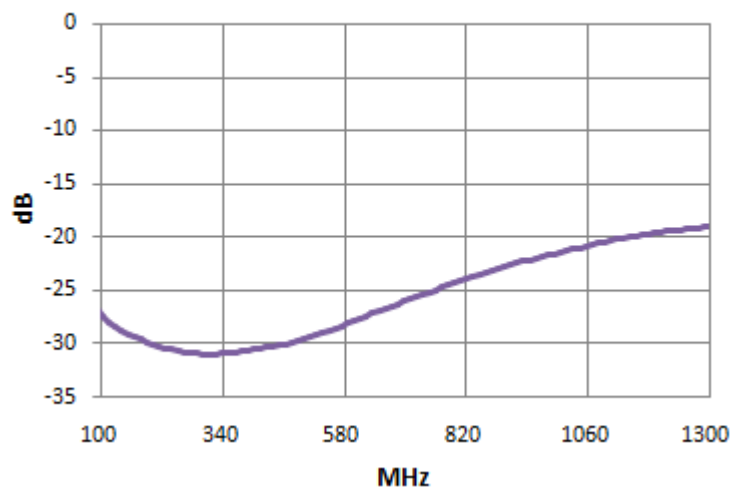
Mainline Loss



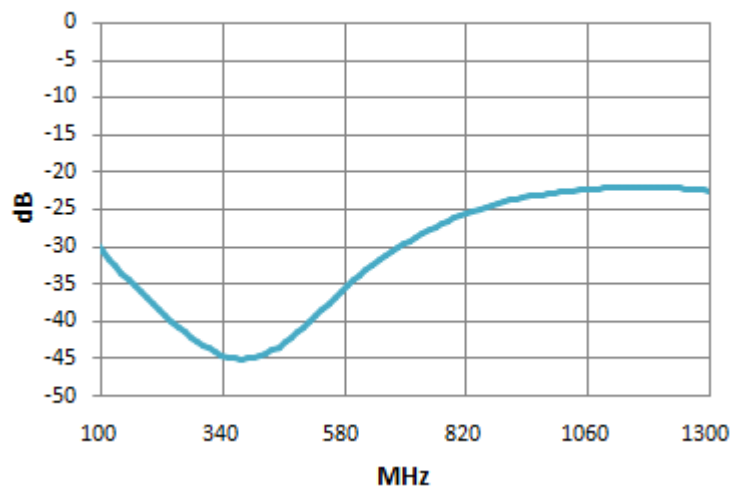
Input Return Loss



Coupling Return Loss



Output Return Loss



Directivity

