

Product Information

Control No. : ARP-4870100-E 1

Issued on July 14, 2020

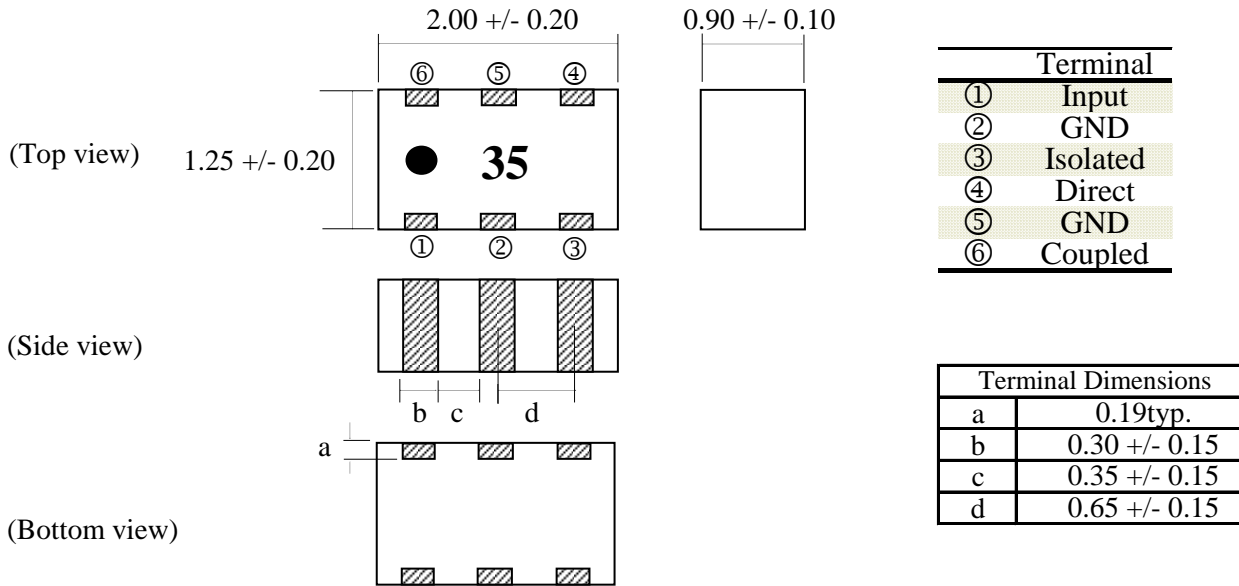
Application : 3dB 90deg Hybrid Coupler for 400-900MHz

1. Type No.

HMD8701D-HYB450

RoHS Compliant Part

2. Dimension (Unit : mm)



3. Electrical characteristics

Parameter		Band1	Unit	Remark
Pass band frequency	Specification	400-900	MHz	
Nominal impedance	Specification	50	ohm	
Input port Return Loss	Specification	18 Min.	dB	
	Typical	26.1		
Isolation	Specification	18 Min.	dB	
	Typical	22.8		
Insertion Loss at 25degC.	Specification	0.90 Max.	dB	
	Typical	0.60		
Amplitude balance	Specification	1.2 Max.	dB	
	Typical	0.8		
Phase balance	Specification	90 +/- 7	deg	
	Typical	94.0		

4. Note

- | | |
|---------------------------------|--|
| 4.1 Operating Temperature Range | : -55 to +105 deg.C |
| 4.2 Storage Temperature Range | : -20 to +35 deg.C (In a Taping Package) |
| 4.3 Max Input Power | : 2W Avg/CW |
| 4.4 Standard Reel Quantity | : 2,000 pcs (per reel, per bag) |

	Approved by	Confirmed by	Raised by
		Y. Imai	T. Hasegawa

SOSHIN ELECTRIC CO., LTD

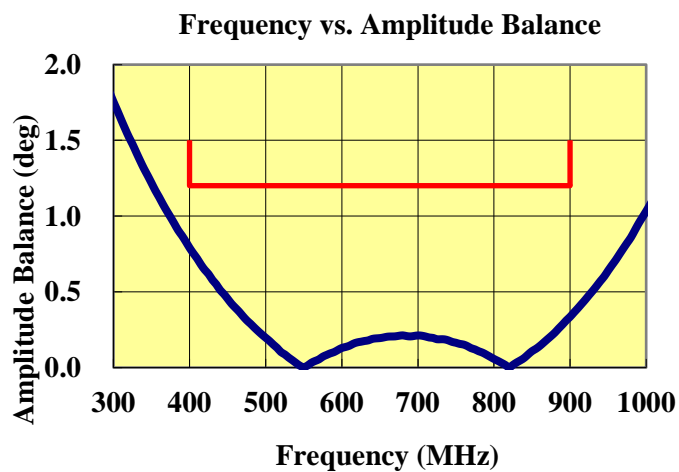
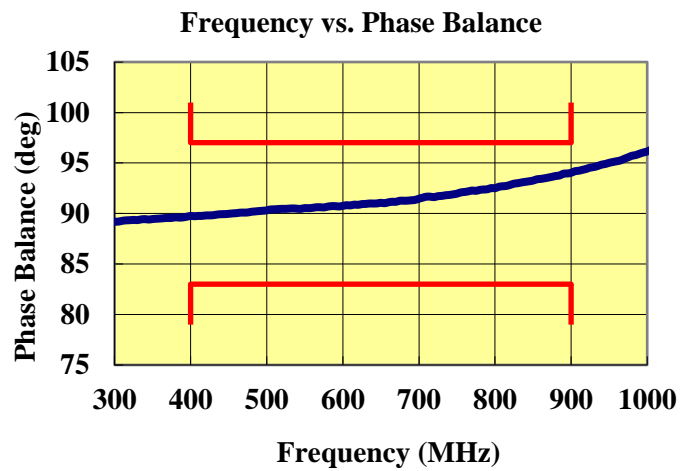
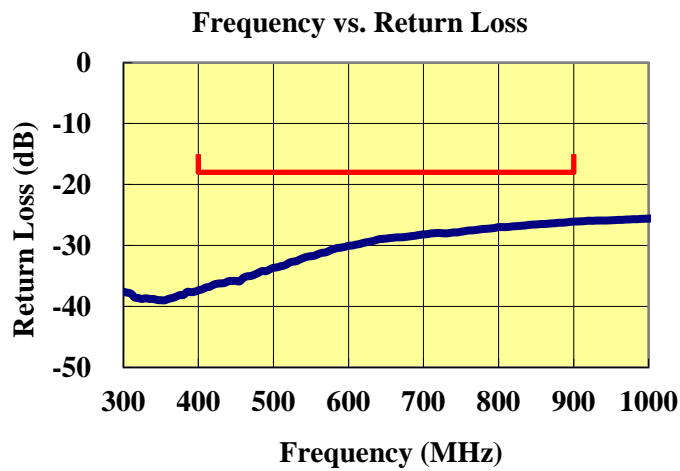
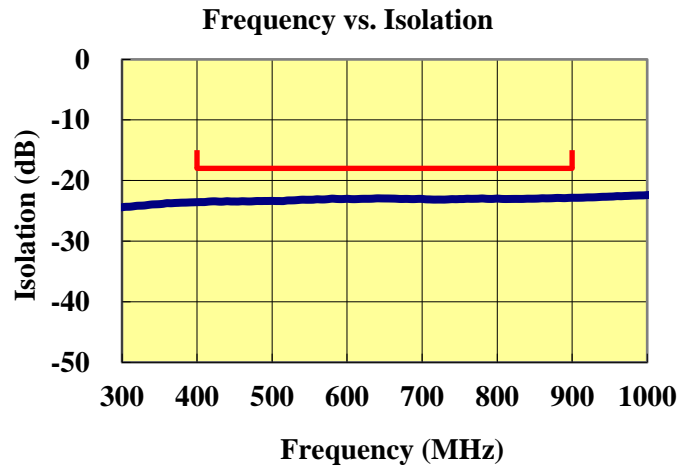
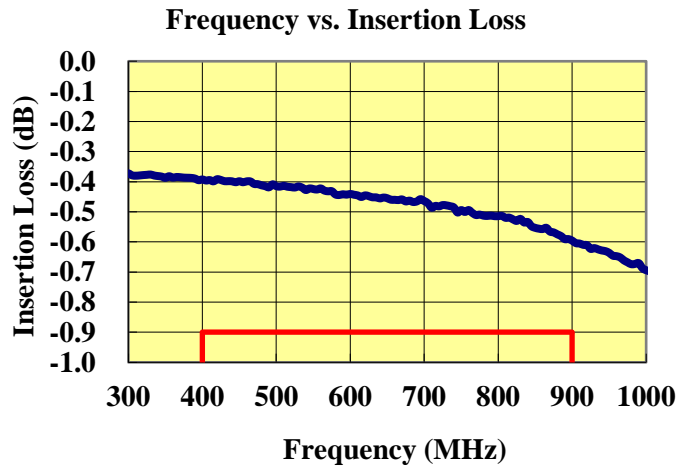
Product Information

Control No. : ARP-4870100-E 2

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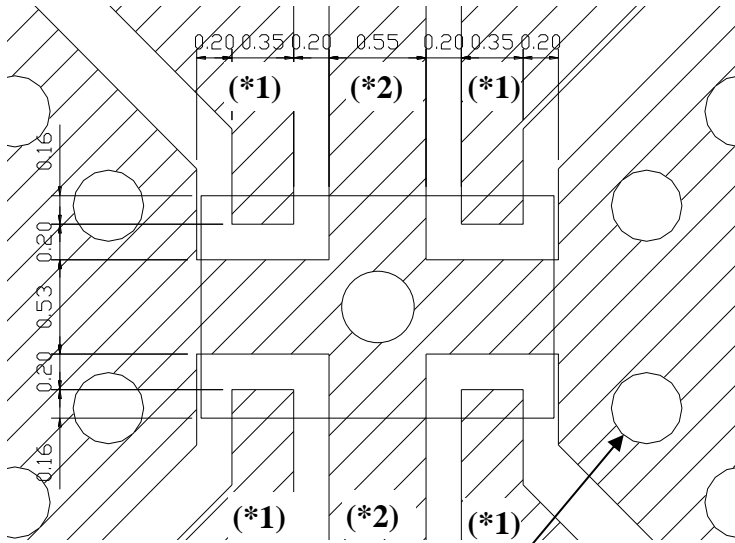
5. Representative characteristics

Measured data



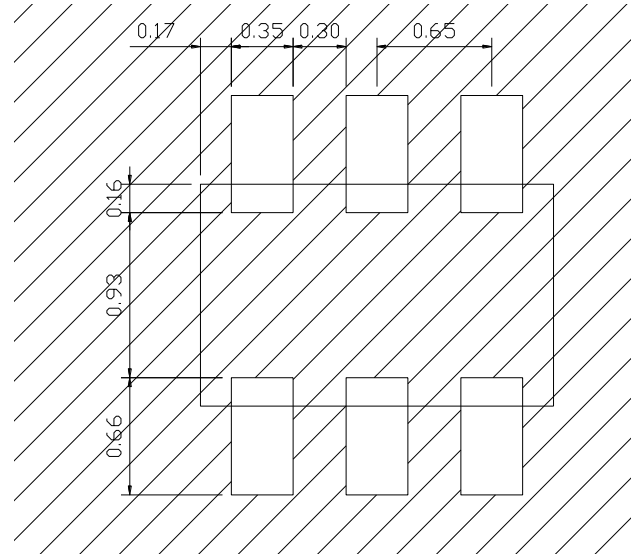
6.Recommended Land Pattern (Unit:mm)

*Land Pattern



Through hole (ϕ 0.4mm)

*Resist Pattern



*1 50 ohm impedance Line

*2 Ground Plane