

Product Information

Control No. : ARP-481500- H 1

Issued on July 13, 2020

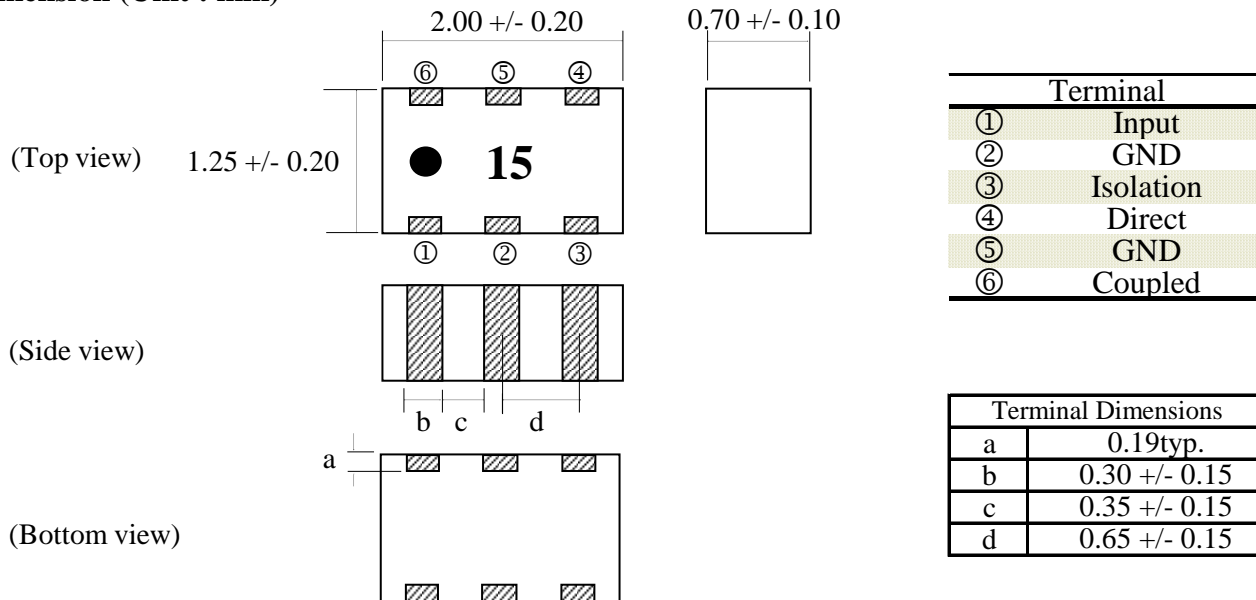
Application : 3dB 90deg Hybrid Coupler for 1450-2000MHz

1. Type No.

HMD815D-HYB1850

RoHS Compliant Part

2. Dimension (Unit : mm)



3. Electrical characteristics

Pass band	Specification			Unit	Remark
	1450-1550	1550-1700	1700-2000		
Frequency range	1450-1550	1550-1700	1700-2000	MHz	
Nominal impedance	50	50	50	ohm	
Insertion Loss at 25degC.	0.3 Max.	0.4 Max.	0.4 Max.	dB	
Return Loss	21 Min.	21 Min.	21 Min.	dB	
Isolation	22 Min.	22 Min.	24 Min.	dB	
Amplitude balance	0.7 Max.	0.7 Max.	0.7 Max.	dB	
Phase balance	90 +/- 4	90 +/- 4	90 +/- 4	deg	

4. Note

- | | |
|---------------------------------|--|
| 4.1 Operating Temperature Range | : -40 to +105 deg.C |
| 4.2 Storage Temperature Range | : -20 to +35 deg.C (In a Taping Package) |
| 4.3 Max Input Power | : 3W Avg/CW |
| 4.4 Standard Reel Quantity | : 2,000 pcs (per reel, per bag) |

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

SOSHIN ELECTRIC CO., LTD

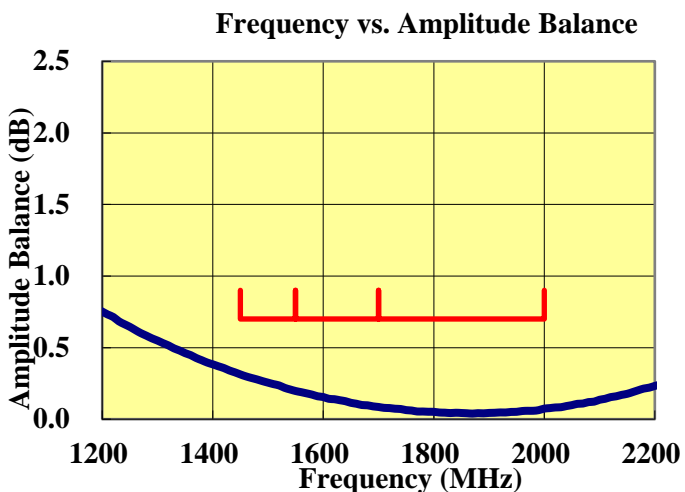
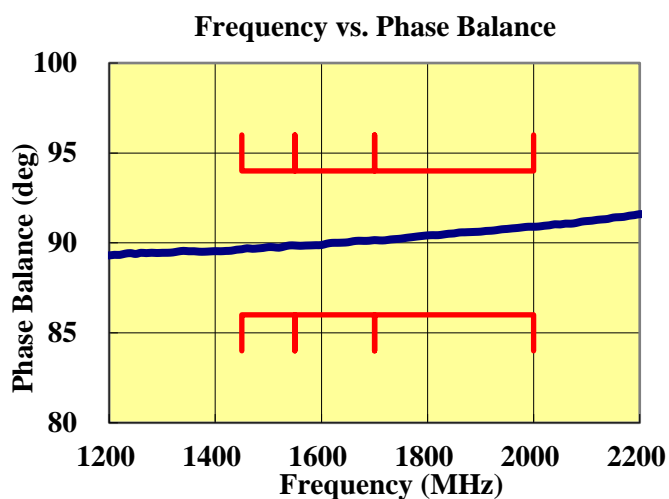
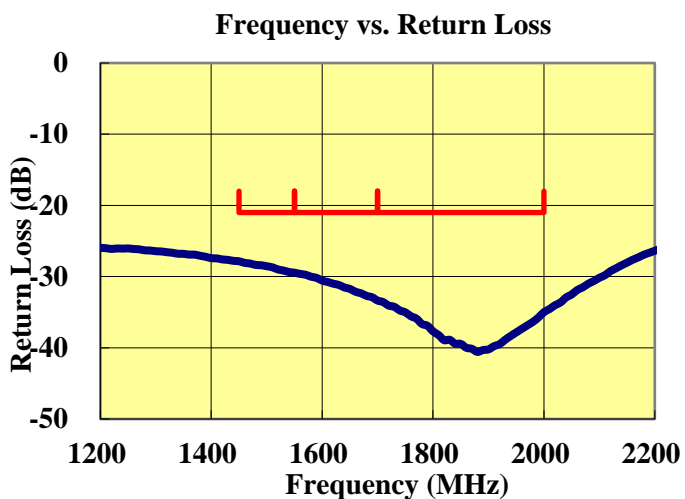
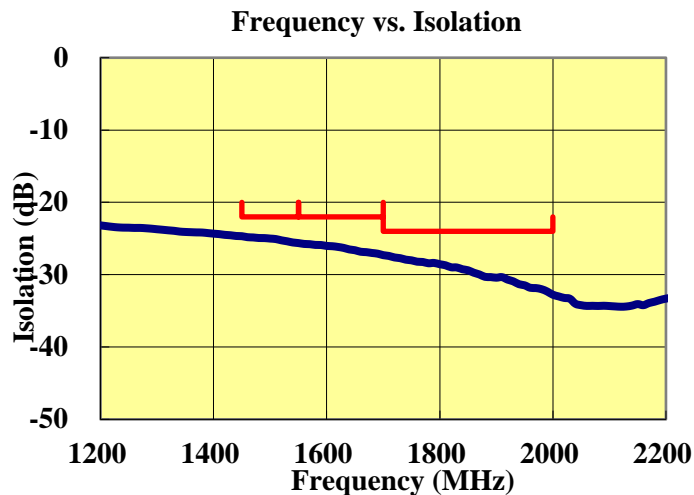
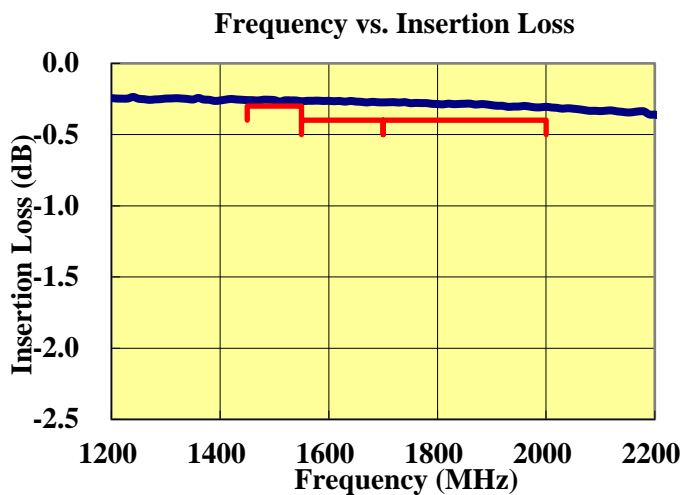
Product Information

Control No. : ARP-481500- H 2

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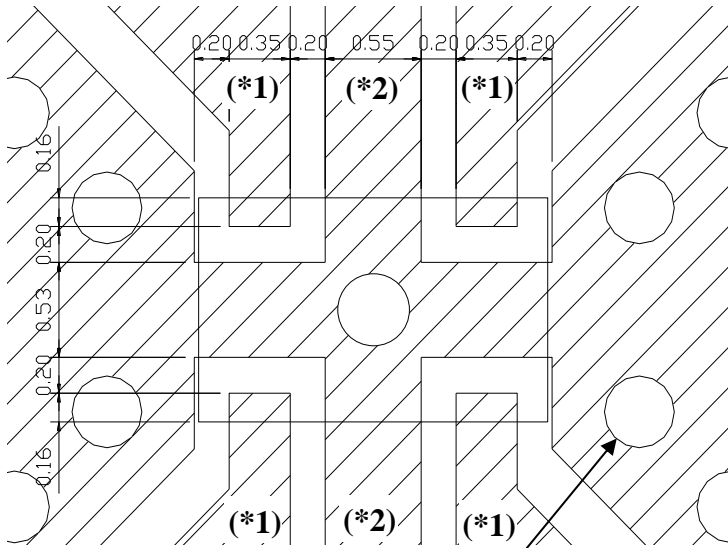
5.Representative characteristics

Measured data



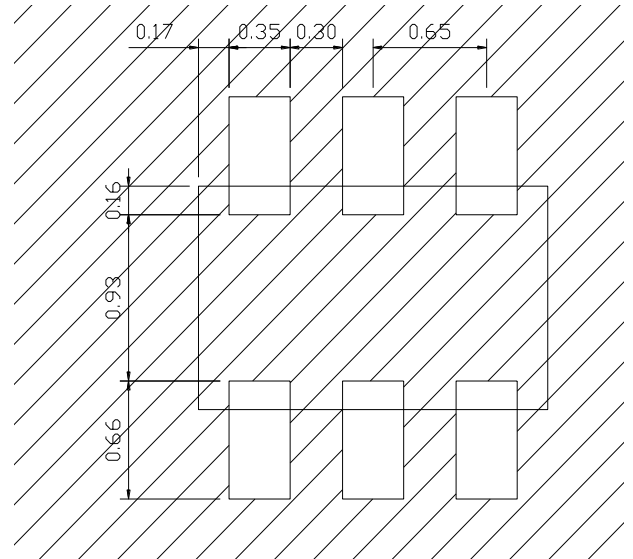
6.Recommended Land Pattern (Unit:mm)

*Land Pattern



Through hole (ϕ 0.4mm)

*Resist Pattern



*1 50 ohm impedance Line

*2 Ground Plane