

Product Information

Control No. : ARP-4171400-E 1

Issued on August 24, 2023

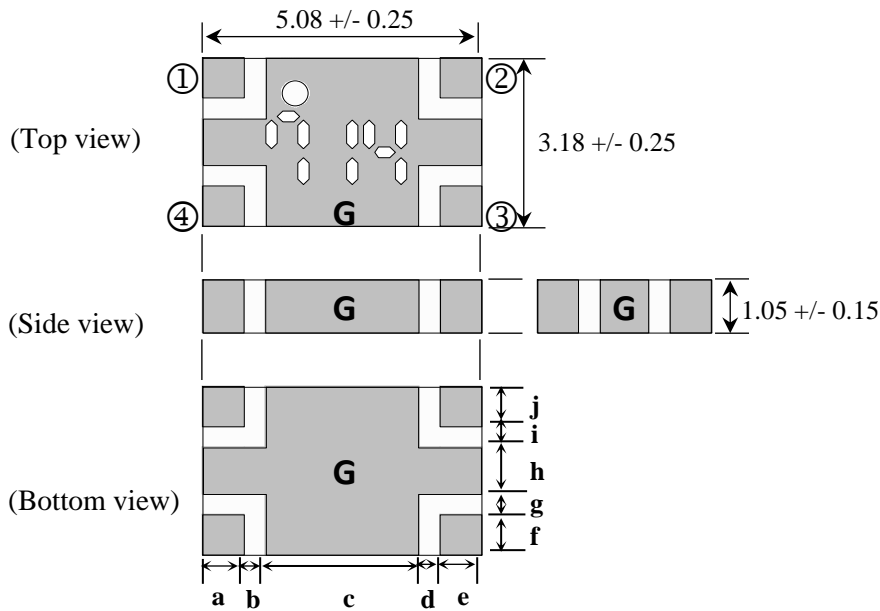
Measured Data

RoHS Compliant Part

1. Type No.

HMD1714A-HYB3500

2. Dimension (Unit : mm)



Terminal	
①	IN
②	ISOLATION
③	OUT(90deg)
④	OUT(0deg)
G	GND

Terminal Dimensions	
a	0.76 +/- 0.20
b	0.38 +/- 0.20
c	2.80 +/- 0.20
d	0.38 +/- 0.20
e	0.76 +/- 0.20
f	0.77 +/- 0.20
g	0.38 +/- 0.20
h	0.89 +/- 0.20
i	0.38 +/- 0.20
j	0.77 +/- 0.20

3. Electrical characteristics

Parameter		Band1	Band2	Unit
Pass band frequency	Specification	3200-4200	3300-3800	MHz
Nominal impedance	Specification	50	50	ohm
Input port VSWR	Specification	1.29 Max.	1.15 Max.	dB
	Typical	1.20	1.12	
Isolation	Specification	20 Min.	23 Min.	dB
	Typical	25.1	30.1	
Insertion Loss (at 25deg.C)	Specification	0.30 Max.	0.20 Max.	dB
	Typical	0.13	0.09	
Amplitude balance	Specification	0.5 Max.	0.3 Max.	dB
	Typical	0.15	0.11	
Phase balance	Specification	90 +/- 5	90 +/- 4	deg
	Typical	88.8	88.8	
Group Delay Terminal 1-3	Specification	0.09 +/- 0.04	0.09 +/- 0.04	nsec
	Typical	0.075 - 0.085	0.075 - 0.083	
Group Delay Terminal 1-4	Specification	0.09 +/- 0.04	0.09 +/- 0.04	nsec
	Typical	0.073 - 0.082	0.076 - 0.082	

4. Note

- | | |
|---------------------------------|--|
| 4.1 Operating Temperature Range | : -55 to +125 degC. |
| 4.2 Storage Temperature Range | : -20 to +35 degC. (In a Taping Package) |
| 4.3 Max Input Power | : 60W Avg/CW at 105degC.
: 35W Avg/CW at 125degC. |
| 4.4 Standard Reel Quantity | : 1,000 pcs (per reel, per bag) |

Approved by	Confirmed by	Raised by
Y. Imai	S.Suzuki	H.Isono

SOSHIN ELECTRIC CO., LTD

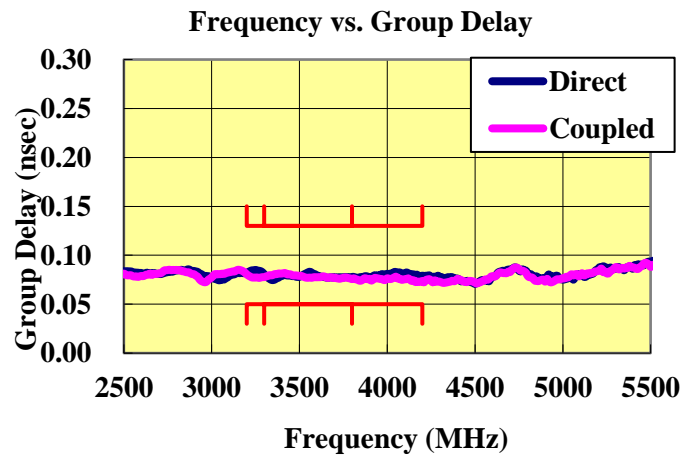
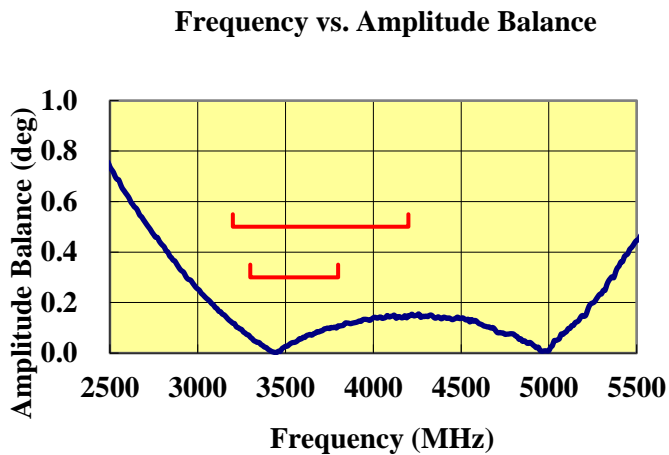
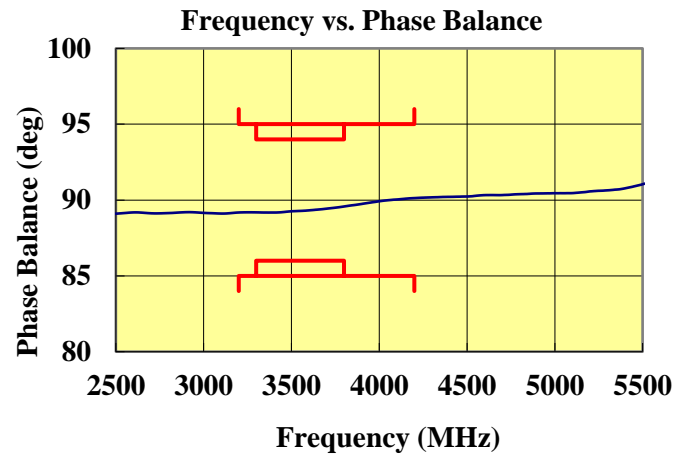
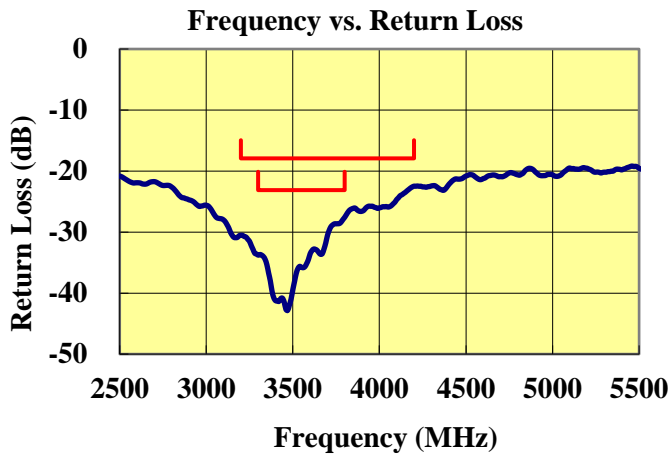
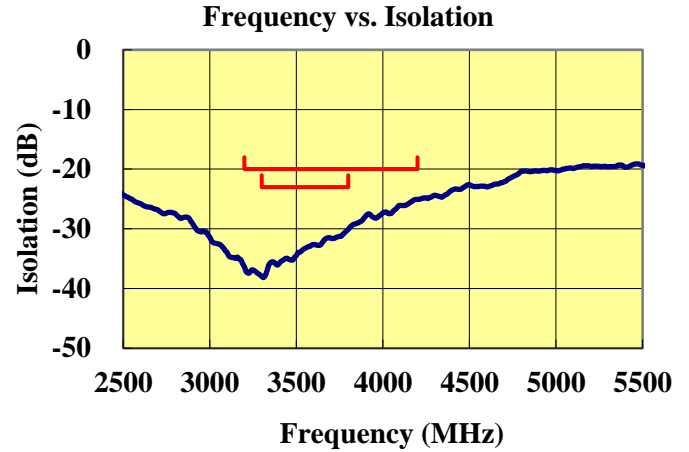
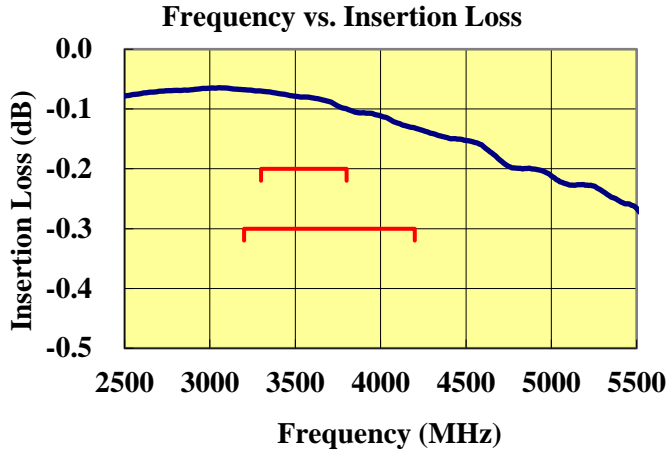
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5.Representative characteristics

Measured Data



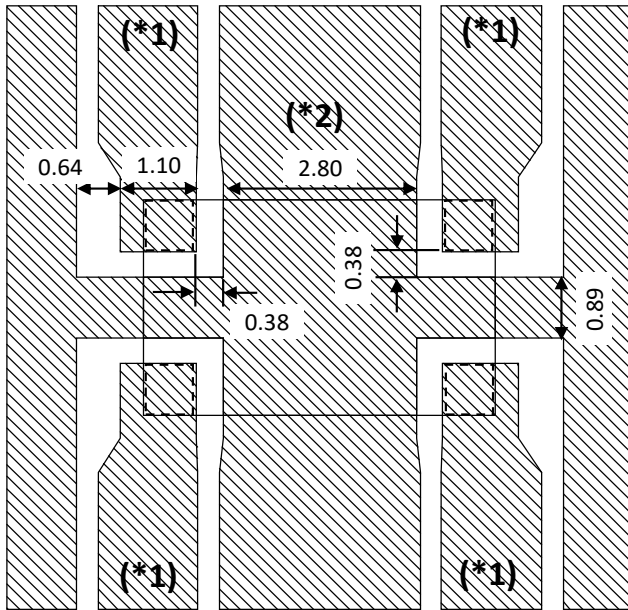
Product Information

Control No. : ARP-4171400-E3

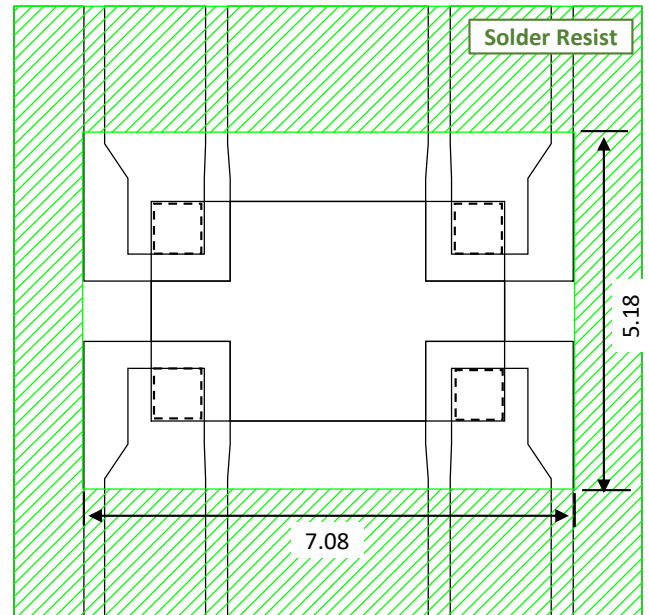
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6.Recommended Land Pattern (Unit:mm)

*Land Pattern



*Resist Pattern



*1 50 ohm impedance Line

*2 Ground Plane