

# Product Information

Control No. : ARP-4271900-E 1

Issued on March 16, 2020

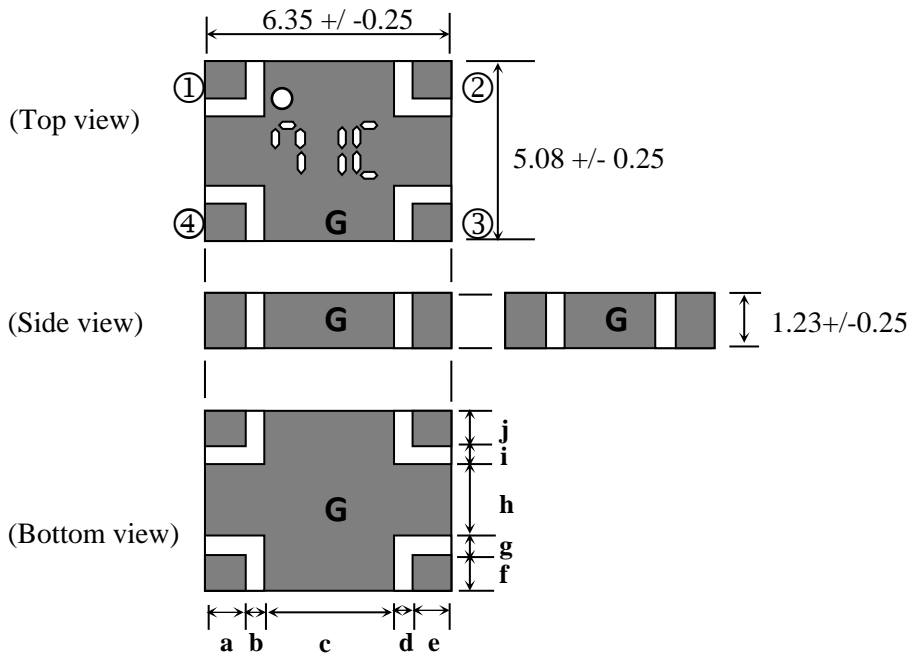
## Application : 3dB 90deg Hybrid Coupler for 420-480MHz

### 1. Type No.

HMD2719A-HYB0450

RoHS Compliant Part

### 2. Dimension (Unit : mm)



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

Terminal Dimensions	
a	1.02 +/- 0.10
b	0.51 +/- 0.20
c	3.30 +/- 0.20
d	0.51 +/- 0.20
e	1.02 +/- 0.10
f	1.02 +/- 0.10
g	0.51 +/- 0.20
h	2.08 +/- 0.20
i	0.51 +/- 0.20
j	1.02 +/- 0.10

### 3. Electrical characteristics

Parameter		Band1	Unit	Remark
Frequency Range	Specification	420-480	MHz	
Nominal impedance	Specification	50	ohm	
Isolation	Specification	21 Min.	dB	
	Typical	30.1		
Insertion Loss	Specification	0.35 Max.	dB	
	Typical	0.19		
Input port VSWR	Specification	1.20 Max.	-	
	Typical	1.05		
Amplitude balance	Specification	0.35 Max.	dB	
	Typical	0.11		
Phase balance	Specification	90 +/- 4	deg	
	Typical	90.3		

### 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             | : 60 W Avg/CW                            |
| 4.4 Standard Reel Quantity      | : 1,000 pcs (per reel, per bag)          |

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

SOSHIN ELECTRIC CO., LTD

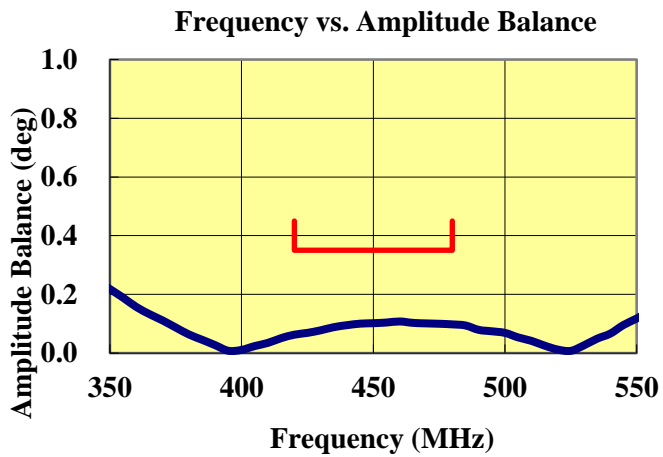
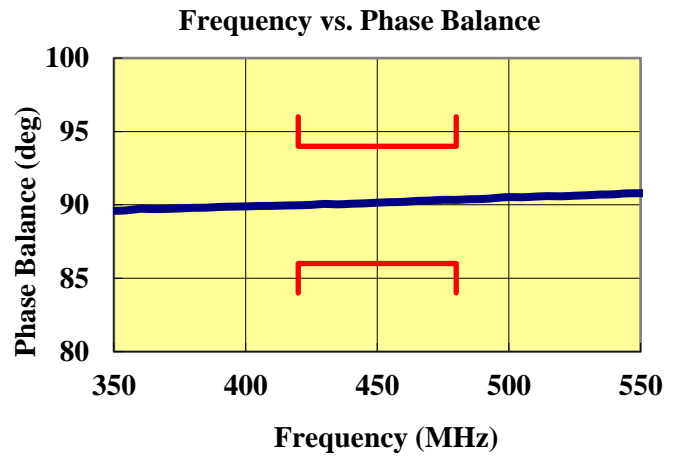
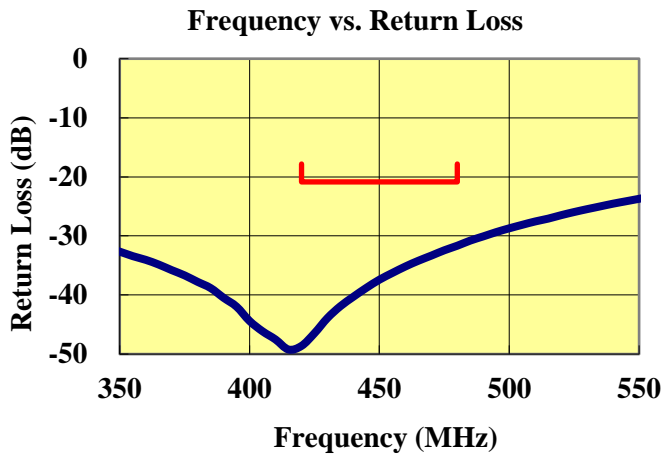
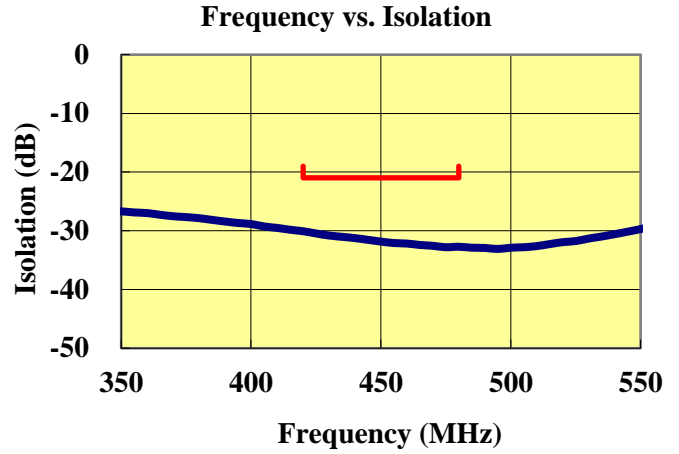
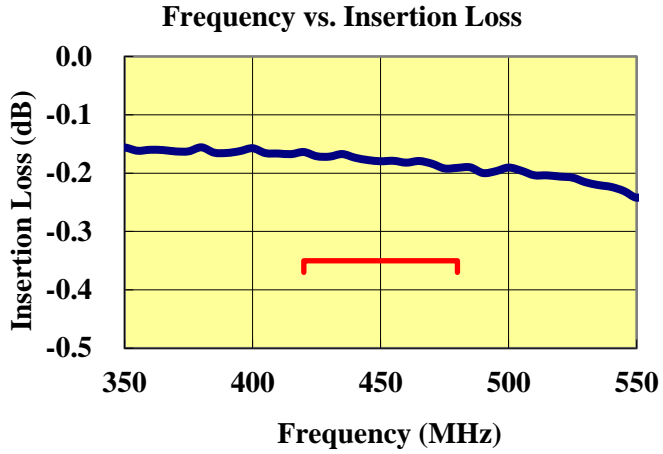
# Product Information

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## 5.Representative characteristics

Measured Data



## 6.Recommended Land Pattern (Unit:mm)

