

Product Information

Control No. : ARP-4671700-E 1

Issued on July 13, 2020

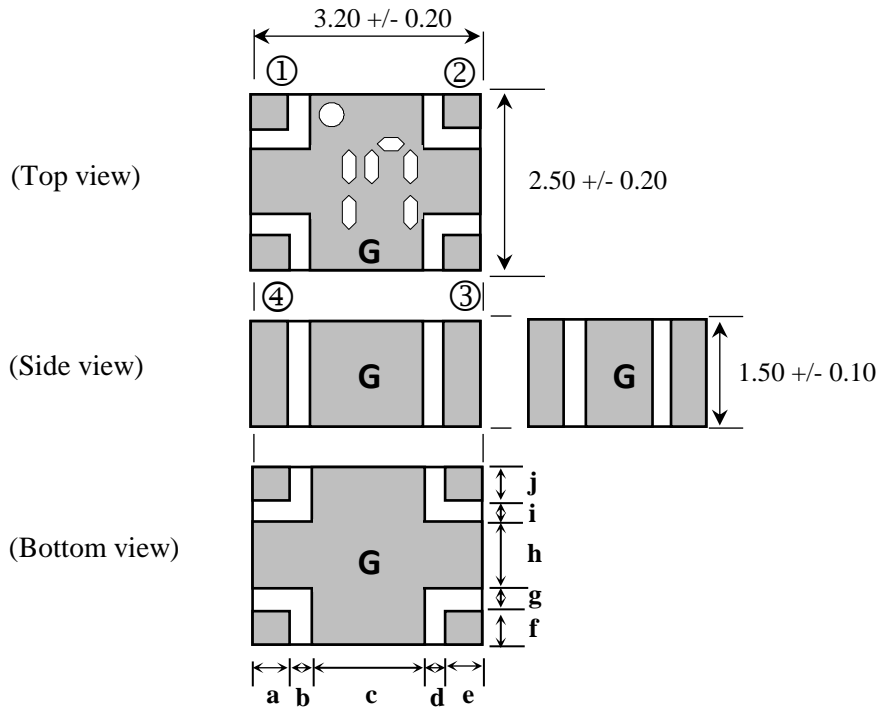
Application : 20dB Directional Coupler for 4000-5500MHz

1. Type No.

HMD6717D-20M4500

RoHS Compliant Part

2. Dimension (Unit : mm)



	Configuration1	Configuration2
①	Input	Direct
②	Direct	Input
③	Isolated	Coupled
④	Coupled	Isolated
G	GND	GND

Terminal Dimensions	
a	0.52 ± 0.10
b	0.30 ± 0.10
c	1.56 ± 0.10
d	0.30 ± 0.10
e	0.52 ± 0.10
f	0.49 ± 0.10
g	0.30 ± 0.10
h	0.92 ± 0.10
i	0.30 ± 0.10
j	0.49 ± 0.10

3. Electrical characteristics

Parameter		Band1	Band2	Unit
Pass band frequency	Specification	4000-5500	4000-5000	MHz
Nominal impedance	Specification	50	50	ohm
Mean Coupling	Specification	20.0 ± 1.5	20.0 ± 1.5	dB
	Typical	20.09	20.09	
Insertion Loss (at 25deg.C)	Specification	0.095 Max.	0.090 Max.	dB
	Typical	0.055	0.043	
Input port V.S.W.R.	Specification	1.29 Max.	1.29 Max.	-
	Typical	1.14	1.14	
Directivity	Specification	18 Min.	18 Min.	dB
	Typical	25.31	25.31	
Frequency Sensitivity	Specification	0.40 Max.	0.35 Max.	dB
	Typical	0.17	0.17	

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 | : 80W Avg/CW |
| 4.4 Standard Reel Quantity | : 2,000 pcs (per reel, per bag) |

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

SOSHIN ELECTRIC CO., LTD

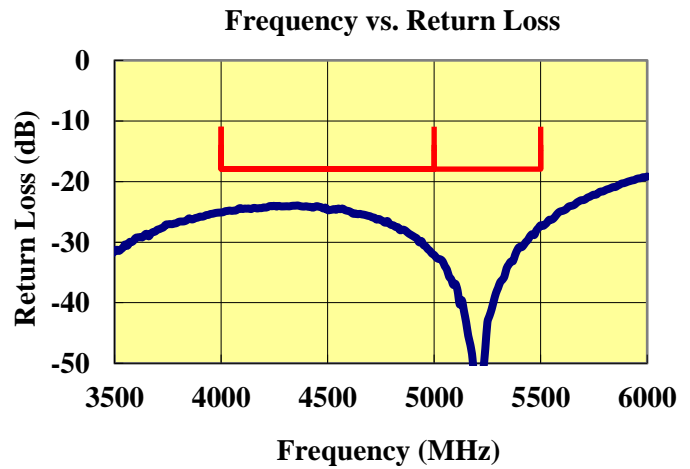
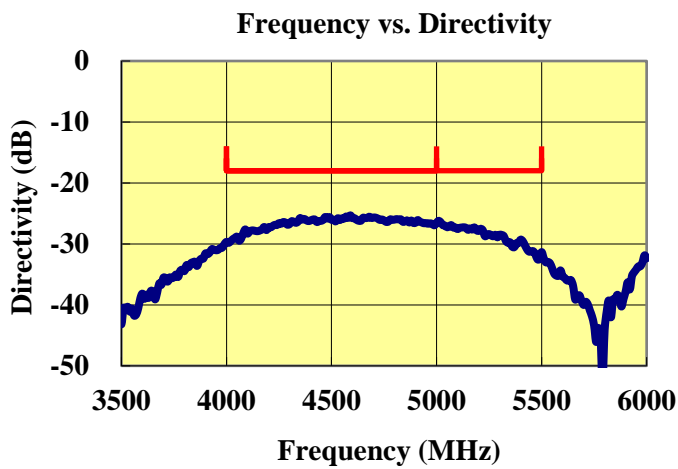
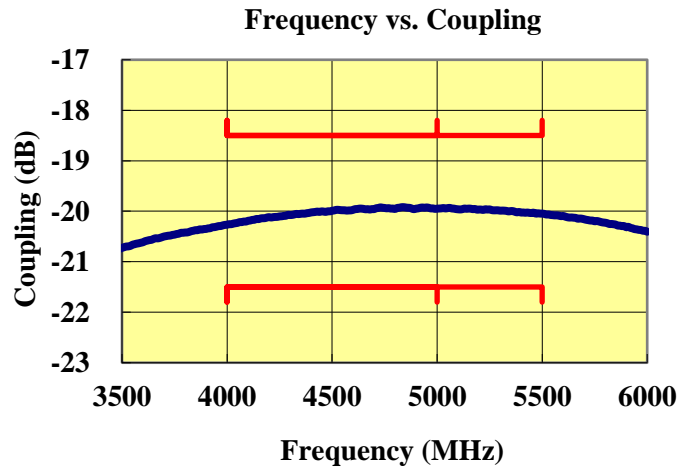
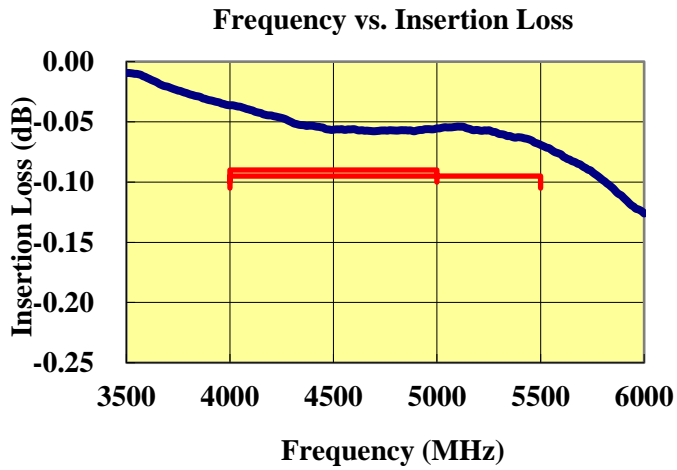
Product Information

Control No. : ARP-4671700-E2

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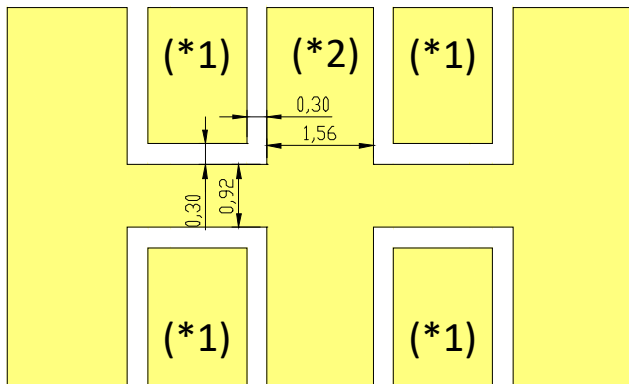
5. Representative characteristics

Measured data

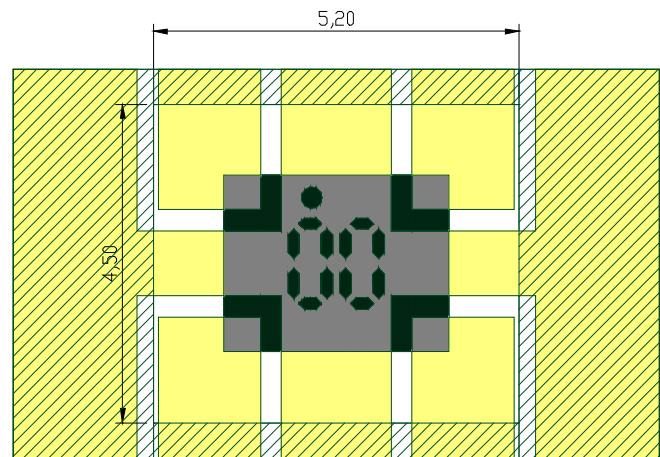


6.Recommended Land Pattern (Unit:mm)

*Land Pattern



*Resist Pattern



*1 50 ohm impedance Line

*2 Ground Plane