

# Product Information

Control No. : ARP-4870400-J1

Issued on March 9, 2020

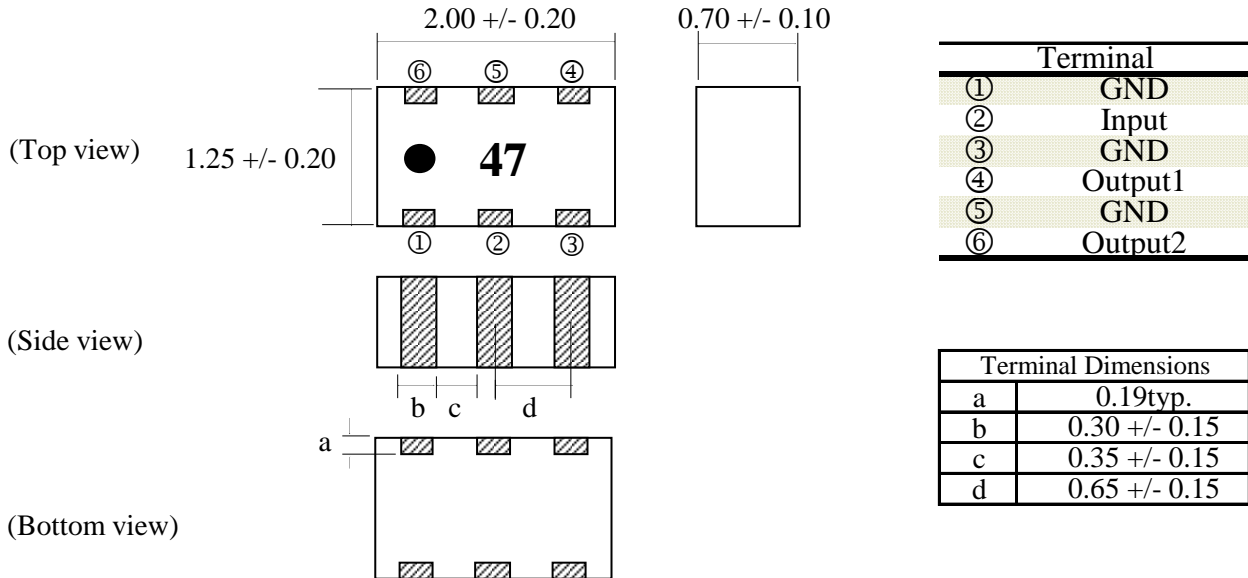
## Application : Power Divider for 2300-5000MHz

### 1. Type No.

HMD8704F-T

RoHS Compliant Part

### 2. Dimension (Unit : mm)



### 3. Electrical characteristics

Parameter		Band1	Band2	Band3	Band4	Band5	Band6	Unit
Frequency Range	Specification	2300-2500	2500-3600	3600-3800	3800-4200	4200-4600	4600-5000	MHz
Nominal impedance	Specification	50	50	50	50	50	50	ohm
Insertion Loss at 25 deg C.	Specification	max 0.60	max 0.50	max 0.50	max 0.50	max 0.55	max 0.80	dB
	Typical	0.36	0.35	0.09	0.18	0.31	0.53	
Input Return Loss	Specification	min 8.0	min 10.0	min 10.0	min 10.0	min 10.0	min 9.0	dB
	Typical	10.8	11.2	20.2	20.0	14.1	11.2	
Isolation	Specification	min 12.5	min 15.0	min 12.5	min 10.0	min 10.0	min 10.0	dB
	Typical	15.2	17.4	17.7	15.0	13.0	11.4	
Amplitude balance	Specification	max 0.20	max 0.20	max 0.20	max 0.20	max 0.20	max 0.20	dB
	Typical	0.03	0.05	0.05	0.05	0.05	0.04	
Phase balance	Specification	max 2.0	max 2.0	max 2.0	max 2.0	max 2.0	max 2.0	deg
	Typical	0.16	0.09	0.11	0.32	0.47	0.76	

### 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             | : 5W Avg/CW(Band1~5)<br>: 3W Avg/CW(Band6) |
| 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

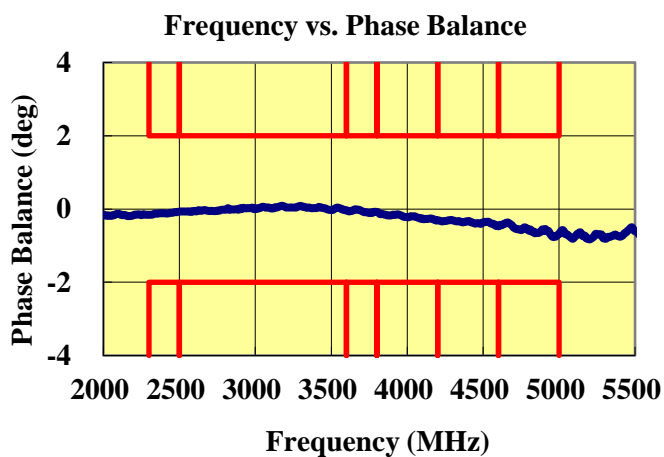
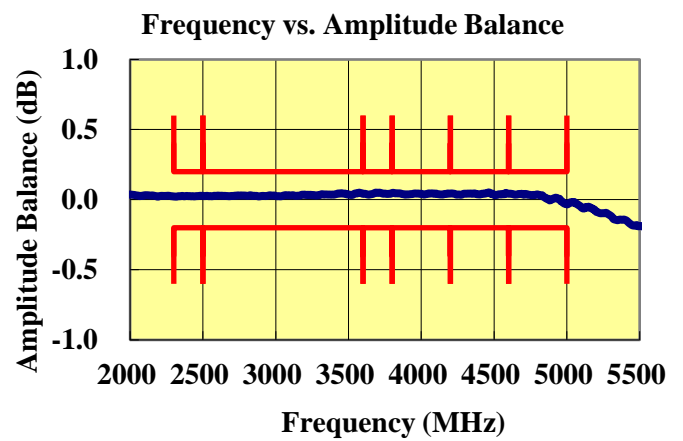
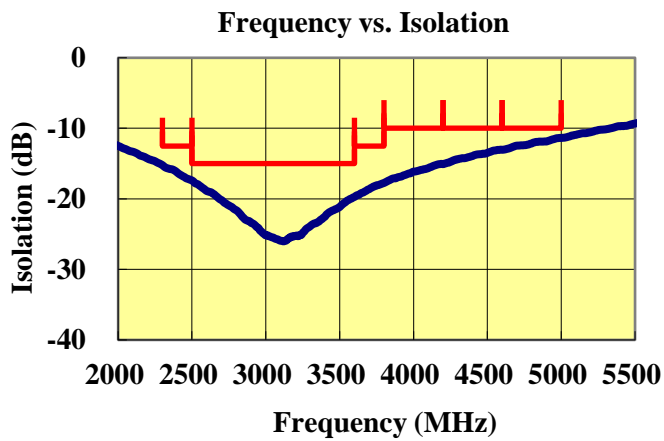
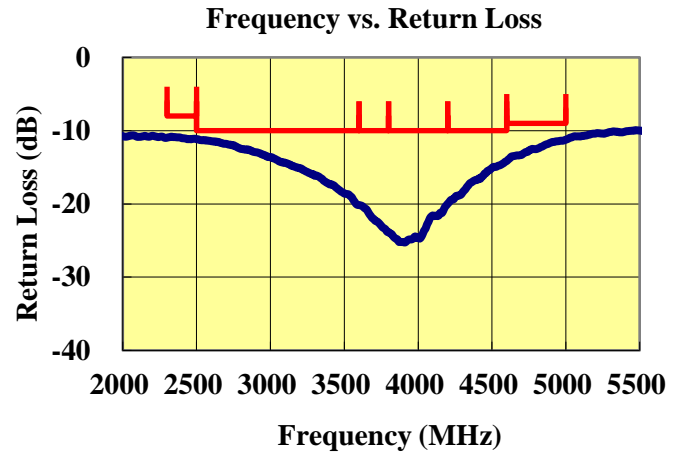
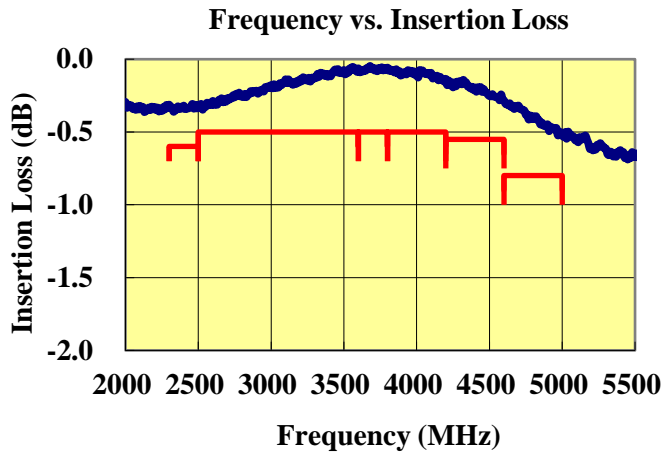
# Product Information

Control No. : ARP-4870400-J2

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## 5.Representative characteristics

Measured data

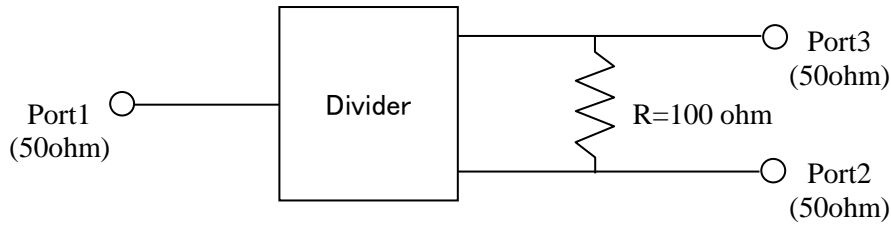


# Product Information

Control No. : ARP-4870400-J3

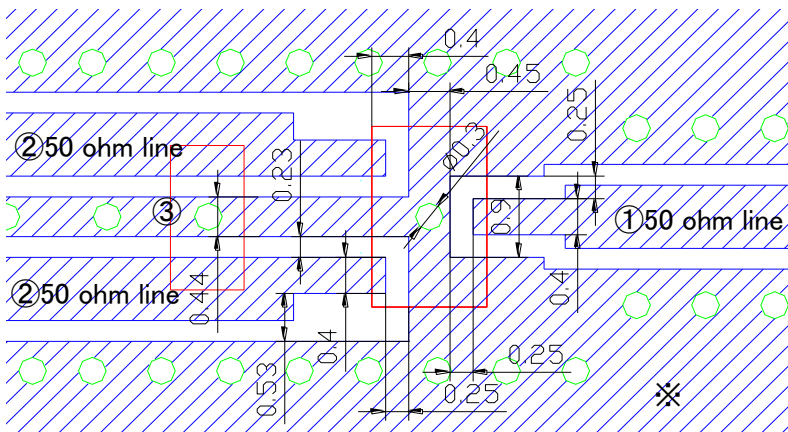
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## 6.Measurement Circuit

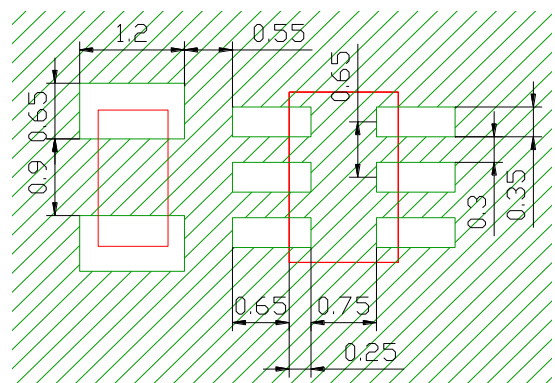


## 7.Recommended Land Pattern (Unit:mm)

Land Pattern



Resist Pattern



- ① Input
- ② Output1,2
- ③ 1608Size R=100ohm
- ※ GND

## 8.Power Derating Curve

