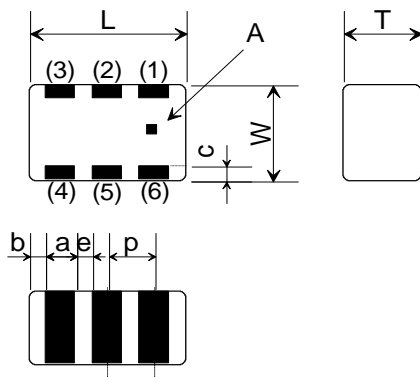


DUAL BAND DIPLEXER

1. Characteristics (at -40 ~ +85 °C)

Part Number		LFD212G45MJER914	
Pass Band Range	f2		2450.00 ± 50.00 MHz
	f1		5515.00 ± 335.00 MHz
Insertion Loss (dB)	P2-P3	in f2	0.80 dB max. (at 25 °C) 0.90 dB max. (at -40 to +85 °C)
	P1-P3	in f1	1.00 dB max. (at 25 °C) 1.10 dB max. (at -40 to +85 °C)
Attenuation (dB)	P1-P3	at 2400.00~2500.00 MHz	30.5 min.
		at 3400.00~3800.00 MHz	15.5 min.
		at 10000.00~12000.00 MHz	14.5 min.
	P2-P3	at 3400.00~3800.00 MHz	15.5 min.
		at 4800.00~5000.00 MHz	19.5 min.
		at 7200.00~7500.00 MHz	25.5 min.
V.S.W.R.	P1	in f1	2.1 max.
	P2	in f2	2.1 max.
	P3	in f1	2.1 max.
		in f2	2.1 max.
Power Capacity		1 W max.	

2. Construction, Dimensions & Marking



Mark	Meaning
A	Directional Input Mark

(in mm)

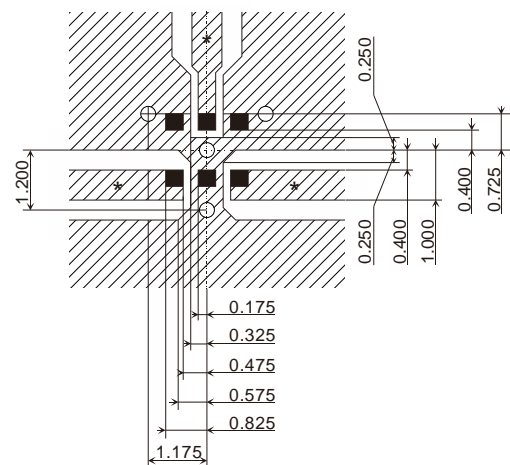
Mark	Dimension	Mark	Dimension	Mark	Dimension
L	2.00±0.15	a	0.30±0.15	e	0.35±0.10
W	1.25±0.10	b	0.20±0.15	p	0.65±0.05
T	1.00max.	c	0.30±0.20	-	-

TERMINAL CONFIGURATION

Terminal No.	Terminal Name	Terminal No.	Terminal Name
(1)	GND	(4)	P1 (*1)
(2)	P3 (*3)	(5)	GND
(3)	GND	(6)	P2 (*2)

- (*1) Higher Frequency Port
- (*2) Lower Frequency Port
- (*3) Common Port

3. Land Pattern



Land

Solder resist

No pattern Solder resist

Through Hole φ 0.30

*Line width to be designed to match 50Ω characteristic impedance, depending on PCB material and thickness.

 **CAUTION**

PLEASE READ THIS NOTICE BEFORE USING OUR PRODUCTS.

Please make sure that your product has been evaluated and confirmed from the aspect of the fitness for the specifications of our product when our product is mounted to your product.

All the items and parameters in this product specification/datasheet/catalog have been prescribed on the premise that our product is used for the purpose, under the condition and in the environment specified in this specification. You are requested not to use our product deviating from the condition and the environment specified in this specification.

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- Undersea equipment.
- Medical equipment.
- Traffic signal equipment.
- Burning / explosion control equipment
- Application of similar complexity and/ or reliability requirements to the applications listed in the above.
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