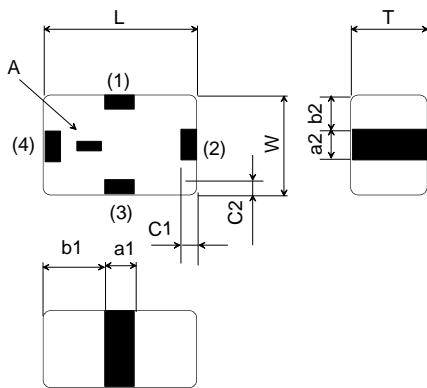


## DUAL BAND DIPLEXER

## 1. Characteristics ( at -40 to +85 °C )

Part Number	LFD181G58DP6C336	
Pass Band Range	f1	1583.50 ± 23.50 MHz
	f2	2450.00 ± 50.00 MHz
Insertion Loss (dB)	P1-P3	0.70 max.(at 25 °C) 0.80 max. (at -40 to +85 °C)
	P2-P3	0.80 dB max.(at 25 °C) 0.90 dB max. (at -40 to +85 °C)
Attenuation (dB)	P1-P3	20.0 min.
	P2-P3	20.0 min.
V.S.W.R.	P1	2.00 max.
	P2	2.0 max.
	P3	2.0 max.
Power Capacity	3 W max.	

## 2. Construction,Dimensions&amp;Marking



Mark	Meaning
A	Directional Input Mark

(in mm)

Mark	Dimension	Mark	Dimension	Mark	Dimension
L	1.6±0.1	a1	0.80+0.10/-0.15	b2	0.25±0.15
W	0.8+0.2/-0.1	a2	0.80+0.10/-0.15	c1	0.15±0.10
T	0.7 Max.	b1	0.65±0.15	c2	0.15±0.10

## TERMINAL CONFIGURATION

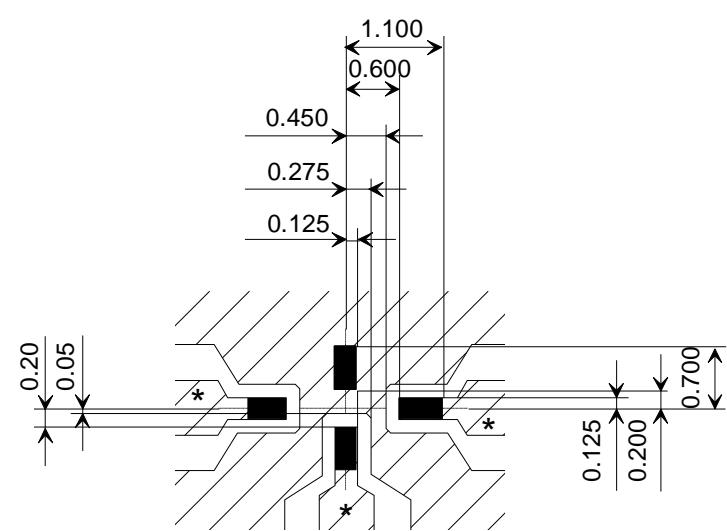
Terminal No.	Terminal Name	Terminal No.	Terminal Name
(1)	GND	(3)	P3 (*2)
(2)	P1 (*1)	(4)	P2 (*3)

(\*1) Lower Frequency Port

(\*2) Common Port

(\*3) Higher Frequency Port

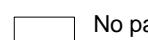
## 3. Land Pattern



(in mm)



Solder resist


No pattern  
Solder resist\*Line width to be designed to match 50Ω characteristic impedance,  
depending on PCB material and thickness.

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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.

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Please note that the only warranty that we provide regarding the products is its conformance to the specifications provided herein. Accordingly, we shall not be responsible for any defects in products or equipment incorporating such products, which are caused under the conditions other than those 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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