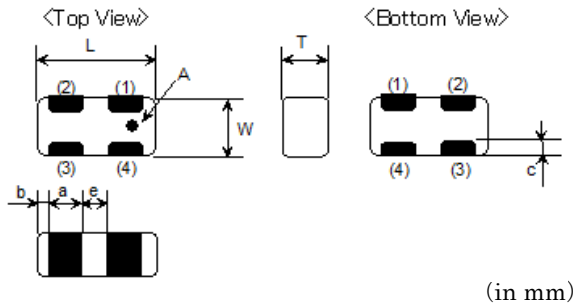


DUAL BAND DIPLEXER

1. Characteristics (at -40 ~+85°C)

Part number	LFD152G45MU5D935		
Pass Band Range	f1		2450.00 ± 50.00MHz
	f2		5425.00 ± 525.00 MHz
Insertion Loss (dB)	P2-P3	in f1	0.55 max.(at 25 °C) 0.60 max. (at -40 ~ +85 °C)
	P1-P3	in f2	0.95 max.(at 25 °C) 1.05 max. (at -40 ~ +85 °C)
Attenuation(dB)	P2-P3	4800.00 – 5000.00 MHz	19.0 dB min
		7200.00 – 7500.00 MHz	14.0 dB min
	P1-P3	30.00 – 1700.00 MHz	11.0 dB min
		1700.00 – 2700.00 MHz	11.0 dB min
		9800.00 – 11900.00 MHz	20.0 dB min
V.S.W.R.	P1	in f2	1.70 max.
	P2	in f1	1.70 max.
	P3	in f1	1.70 max.
		in f2	1.70 max.
Power Capacity	1 W max.		

2. Construction, Dimensions & Marking



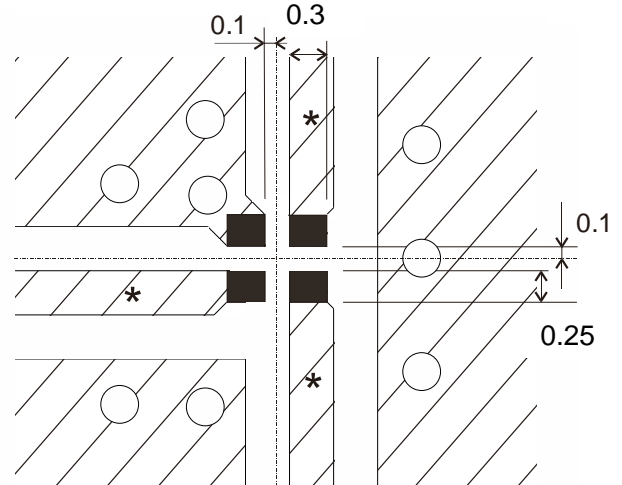
Mark	Meaning
A	Directional Input Mark

Mark	Dimension	Mark	Dimension
L	1.000+0.050/-0.075	b	0.10±0.10
W	0.50±0.05	c	0.12±0.07
T	0.40max	e	0.20±0.10
a	0.30±0.10		

TERMINAL CONFIGURATION

Terminal No	Terminal Name	Terminal No	Terminal Name
(1)	P3(COM)	(3)	P1(5G)
(2)	GND	(4)	P2(2.4G)

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.

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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Furthermore, YOU AGREE TO INDEMNIFY AND DEFEND US AND OUR AFFILIATES AGAINST ALL CLAIMS, DAMAGES, COSTS, AND EXPENSES THAT MAY BE INCURRED, INCLUDING WITHOUT LIMITATION, ATTORNEY FEES AND COSTS, DUE TO THE USE OF OUR PRODUCTS IN SUCH APPLICATIONS.

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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.
- Aerospace equipment
- Power plant control equipment
- Transportation equipment (vehicles, trains, ships, elevator, etc.).
- Disaster prevention / crime prevention equipment.

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