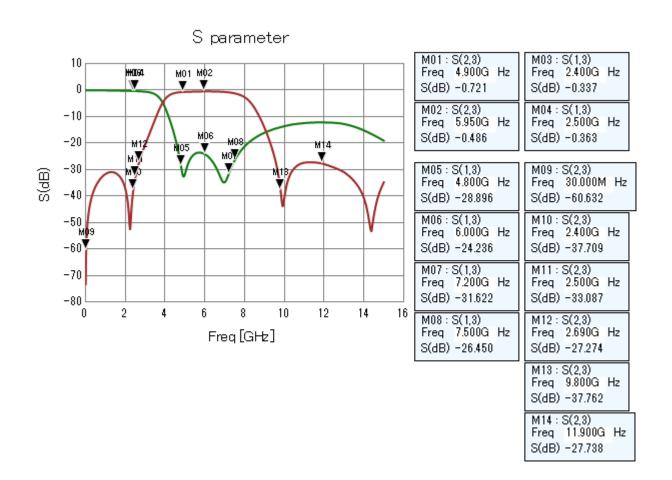


DUAL BAND DIPLEXER

1. Electrical Characteristic (at -40 ~ +85°C)

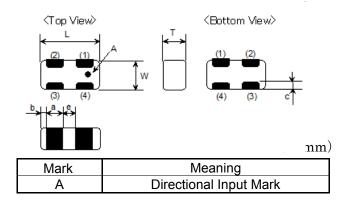
Part Number		LFD152G45MU9E374		
Pass Band Range	f1		5425.00 ± 525.00 MHz	
Pass band Range	f2		2450.00 ± 50.00 MHz	
Insertion Loss (dB)	P2 - P3	in f1	0.80 max.(at 25 °C) 0.90 max. (at -40 ~ +85 °C)	
	P1 - P3	in f2	0.50 max.(at 25 °C) 0.60 max. (at -40 ~ +85 °C)	
Attenuation (dB)	P1 - P3	4800.00 ~ 6000.00 MHz	19.0 dB min	
		7200.00 ~ 7500.00 MHz	19.0 dB min	
	P2 - P3	30.00 ~ 2400.00 MHz	25.0 dB min	
		2400.00 ~ 2500.00 MHz	26.0 dB min	
		2500.00 ~ 2690.00 MHz	23.0 dB min	
		9800.00 ~ 11900.00 MHz	19.0 dB min	
V.S.W.R.	P1	in f2	2.10 max.	
	P2	in f1	2.10 max.	
	D2	in f1	2.10 max.	
	P3	in f2	2.10 max.	
Power Capacity			1 W max.	



All the technical data and Information contained herein are subject to change without prior notice.



2. Construction, Dimensions & Marking

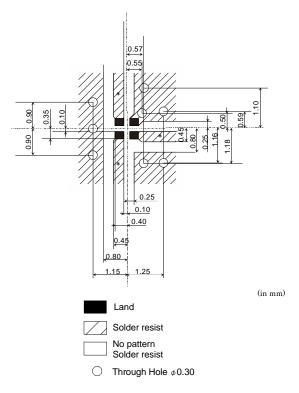


Mark	Dimension	Mark	Dimension
L	1.000+0.050/-0.075	b	0.10±0.10
W	0.50±0.05	С	0.12±0.07
Т	0.40 max	е	0.20±0.10
а	0.30±0.10		

TERMINAL CONFIGURATION

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

3. Land Pattern



^{*} 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.

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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- Undersea equipment.

- Medical equipment. - Traffic signal equipment.
- Aerospace equipment - Power plant control equipment
- Transportation equipment (vehicles, trains, ships, elevator, etc.).
- Disaster prevention / crime prevention equipment.
- Burning / explosion control equipment
- Application of similar complexity and/ or reliability requirements to the applications listed in the above.

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When you are not able to return the signed version of specification sheet or approval sheet within 90 days from receiving date of specification sheet or approval sheet, it shall be deemed to be your consent on the content of specification sheet or approval sheet.

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