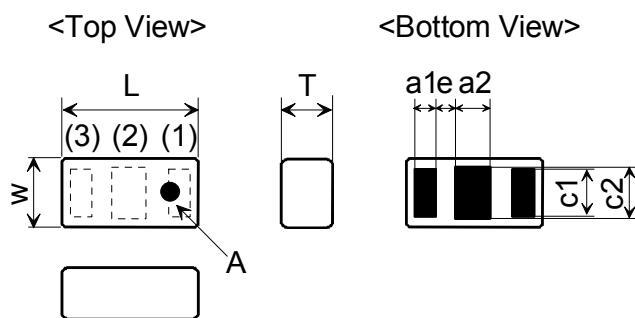


# BAND PASS FILTER

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

Part Number	LFB185G54CGLD602
Nominal Characteristics Impedance	50 Ω (Nominal)
Pass Band Range (BW)	5425.00 ± 525.00 MHz
Insertion Loss in BW	0.85 dB max. at 25 °C 1.00 dB max. at -40 ~ +85 °C
Attenuation (Absolute value)	32.0 dB max. at 30.00 ~ 2700.00 MHz 15.0 dB max. at 9800.00 ~ 11900.00 MHz 7.0 dB max. at 14700.00 ~ 17850.00 MHz
V.S.W.R. in BW	2.10 max.
Power Capacity	500 mW max.

## 2. Construction, Dimensions & Marking



Mark	Meaning
A	Directional Input Mark

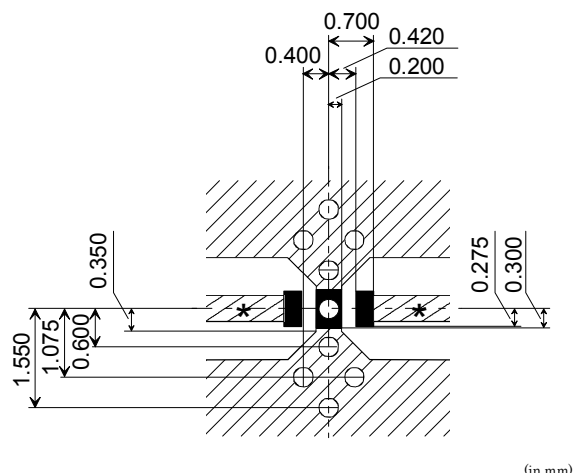
(in mm)

Mark	Dimension	Mark	Dimension
L	1.6 ± 0.1	a2	0.40 ± 0.10
W	0.8 ± 0.1	c1	0.55 ± 0.10
T	0.65 max.	c2	0.60 ± 0.10
a1	0.25 ± 0.10	e	0.23 ± 0.05

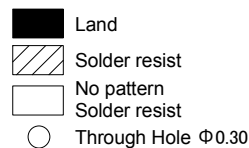
### TERMINAL CONFIGURATION

Terminal No.	Terminal Name	Terminal No.	Terminal Name
(1)	IN	(3)	OUT
(2)	GND	-	-

## 3. Land Pattern



(in mm)



\* Line width to be designed to match 50 ohm characteristic impedance, Depending on PCB material and thickness.

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

**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.

WE HEREBY DISCLAIMS ALL OTHER WARRANTIES REGARDING THE PRODUCTS, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, THAT THEY ARE DEFECT-FREE, OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS.

The product shall not be used in any application listed below which requires especially high reliability for the prevention of such defect as may directly cause damage to the third party's life, body or property. You acknowledge and agree that, if you use our products in such applications, we will not be responsible for any failure to meet such requirements.

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.

- |   |   |
|---|---|
| - Aircraft equipment.   | - Aerospace equipment   |
| - Undersea equipment.   | - Power plant control equipment                                       |
| - Medical equipment.  | - Transportation equipment (vehicles, trains, ships, elevator, etc.). |
| - Traffic signal equipment.   | - 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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Please do not use our products, our technical information and other data provided by us for the purpose of developing of mass-destruction weapons and the purpose of military use.

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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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- deviation or lapse in function of engineering sample,
- improper use of engineering samples.

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