

**Murata** LFB2H2G45SG7A158 **PDF**

深圳创唯电子有限公司

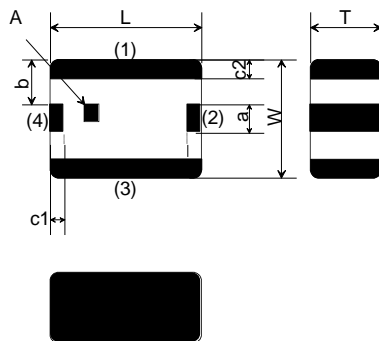
<http://www.murata-ec.com>

## BAND PASS FILTER

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

Part Number	LFB2H2G45SG7A158
Nominal Characteristics Impedance	50 Ω ( Nominal )
Nominal Center Frequency	2450.00 MHz
Pass Band Range (BW)	fo ± 50.00 MHz
Insertion Loss in BW	1.20 dB max. at 25 °C 1.50 dB max. at -40 ~ +85 °C
Attenuation (Absolute value)	30.0 dB min. at 880.00 ~ 915.00 MHz 30.0 dB min. at 1710.00 ~ 1785.00 MHz 35.0 dB min. at 1850.00 ~ 1910.00 MHz 25.0 dB min. at 4800.00 ~ 5000.00 MHz 22.0 dB min. at 7200.00 ~ 7500.00 MHz
Ripple in BW	0.80 dB max.
V.S.W.R. in BW	2.00 max.
Power Capacity	500 mW

### 2. Construction,Dimensions&Marking



Mark	Meaning
A	Directional Input Mark

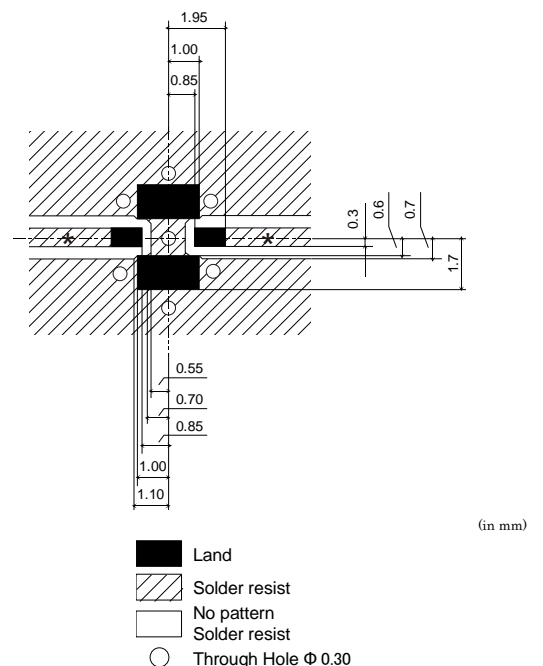
(in mm)

Mark	Dimension	Mark	Dimension
L	2.5±0.2	b	0.75±0.20
W	2.0±0.2	c1	0.30+0.15/-0.20
T	1.0 max.	c2	0.3±0.2
a	0.5±0.2	-	-

#### TERMINAL CONFIGURATION

Terminal No.	Terminal Name	Terminal No.	Terminal Name
(1)	GND	(3)	GND
(2)	OUT	(4)	IN

### 3. Land Pattern



\*Line width to be designed to match 50 ohm 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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- Aircraft equipment.
- 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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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.

Moreover, you must comply with "foreign exchange and foreign trade law", the "U.S. export administration regulations", etc.

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Customer acknowledges that Murata will, if requested by you, conduct a failure analysis for defect or alleged defect of Products only at the level required for consumer grade Products, and thus such analysis may not always be available or be in accordance with your request (for example, in cases where the defect was caused by components in Products supplied to Murata from a third party).

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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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We reject any liability or product warranty for engineering samples.

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- deviation or lapse in function of engineering sample,
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