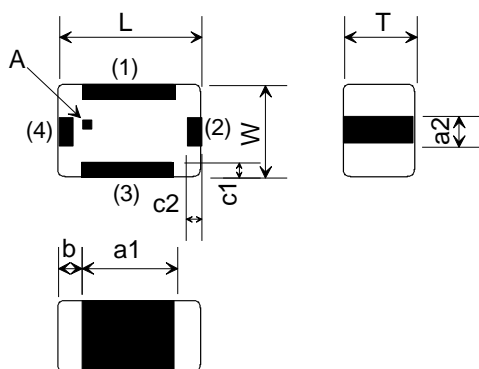


## BAND PASS FILTER

### 1. Characteristics ( at $-40 \sim +85 \text{ }^\circ\text{C}$ )

Part Number	LFB215G42SG8A300
Nominal Characteristics Impedance	50 ohm
Nominal Center Frequency	5425.00 MHz
Pass Band Range (BW)	$f_0 \pm 525.00 \text{ MHz}$
Insertion Loss in BW	1.50 dB max. at $25 \text{ }^\circ\text{C}$ 1.80 dB max. at $-40 \sim +85 \text{ }^\circ\text{C}$
Attenuation (Absolute value)	40.0 dB min. at 776.00 ~ 960.00MHz 36.5 dB min. at 1280.00 ~ 3300.00MHz 20.5 dB min. at 3300.00 ~ 4000.00MHz 3.5 dB min. at 4375.00 ~ 4465.00MHz 5.0 dB min. at 7300.00 ~ 8930.00MHz 8.5 dB min. at 9800.00 ~ 12000.00MHz
Ripple	1.00 dB max.
V.S.W.R. in BW	2.10 max.
Power Capacity	500 mW max.

### 2. Construction, Dimensions & Marking



Mark	Meaning
A	Directional Input Mark

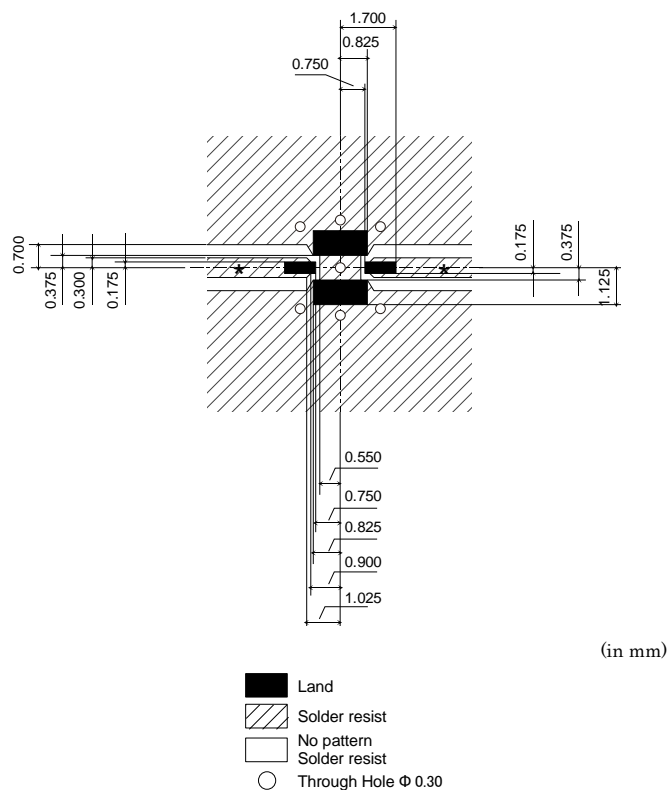
(in mm)

Mark	Dimension	Mark	Dimension
L	$2.00 \pm 0.15$	a2	$0.30 + 0.10 / -0.15$
W	$1.25 \pm 0.10$	b	$0.20 \pm 0.15$
T	1.05 max.	c1	$0.3 + 0.1 / -0.2$
a1	$1.60 + 0.10 / -0.15$	c2	$0.3 + 0.1 / -0.2$

#### 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  $50\Omega$  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.
- Burning / explosion control equipment
- Application of similar complexity and/ or reliability requirements to the applications listed in the above.
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- Power plant control equipment
- Transportation equipment (vehicles, trains, ships, elevator, etc.).
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