

# BAND PASS FILTER

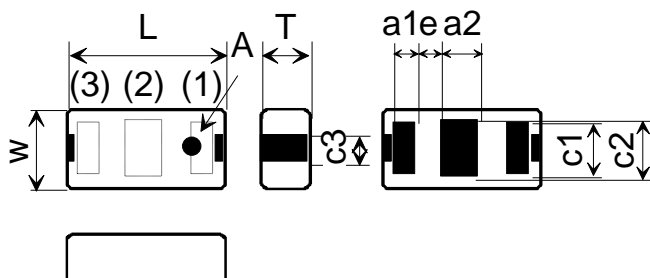
## 1. Characteristics (at -40 ~ + 85 °C)

Part Number	LFB182G45CL3D178
Nominal Center Frequency	2450.00 MHz
Nominal Characteristics Impedance	50 ohm
Pass Band Range (BW)	$f_o \pm 50.00$ MHz
Insertion Loss in BW	0.95 dB at 25 °C 1.25 dB max. at -40 ~ +85 °C
Attenuation (Absolute value)	20.0 dB min. at 500.00 ~ 960.00 MHz 23.0 dB min. at 3200.00 MHz 30.0 dB min. at 4800.00 ~ 5000.00 MHz 32.0 dB min. at 7200.00 ~ 7500.00 MHz
V.S.W.R. in BW	2.00 max.
Power Capacity	500 mW max.

## 2. Construction, Dimensions & Marking

<Top View>

<Bottom View>



Mark	Meaning
A	Directional Input Mark

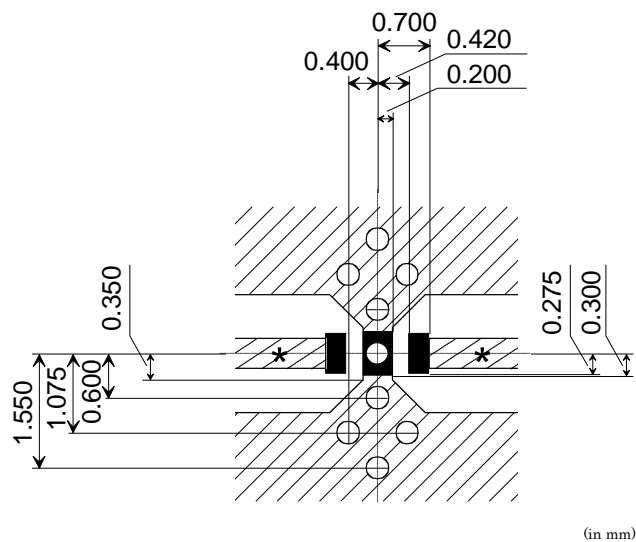
(in mm)

Mark	Dimension	Mark	Dimension
L	$1.60 \pm 0.15$	c1	$0.55 \pm 0.10$
W	$0.80 \pm 0.10$	c2	$0.60 \pm 0.10$
T	0.65 max.	c3	$0.30 \pm 0.15$
a1	$0.25 \pm 0.10$	e	$0.23 \pm 0.05$
a2	$0.40 \pm 0.10$	-	-

### TERMINAL CONFIGURATION

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

## 3. Land Pattern



- Land
- Solder resist
- No pattern
- Solder resist
- Through Hole  $\Phi$  0.30

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

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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.

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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.).
- Disaster prevention / crime prevention equipment.

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