

BAND PASS FILTER

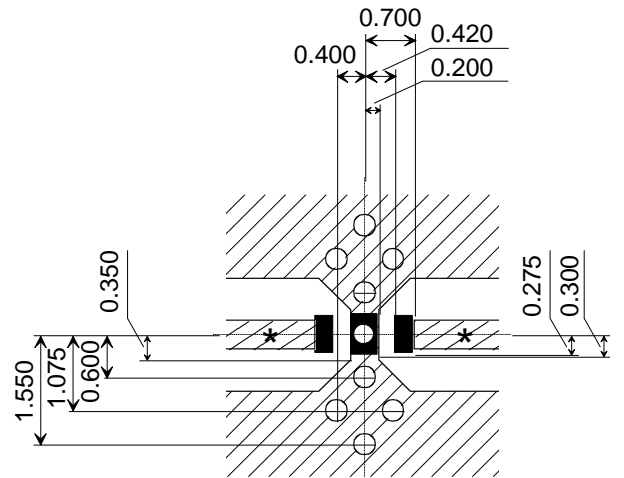
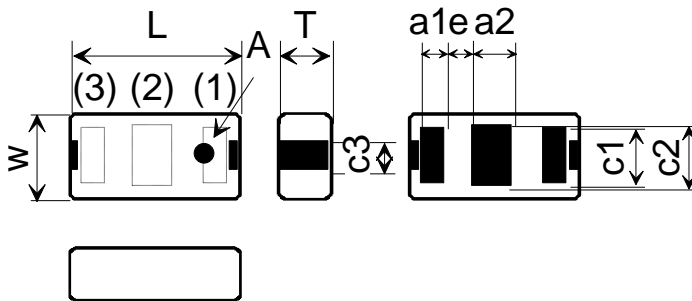
1. Characteristics (at -40 ~ +85 °C)

Part Number	LFB182G45CL3D264
Nominal Center Frequency	2450.00 MHz
Pass Band Range (BW)	$f_0 \pm 50.00$ MHz
Insertion Loss in BW	0.95 dB max. 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
Ripple	0.50 dB max.
V.S.W.R. in BW	2.00 max.
Power Capacity	1 W max.

2. Construction, Dimensions & Marking 3. Land Pattern

<Top View>

<Bottom View>

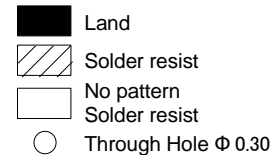


(in mm)

Mark	Meaning
A	Directional Input Mark

(in mm)

Mark	Dimension	Mark	Dimension
L	1.60 ± 0.15	c1	0.55 ± 0.10
W	0.8 ± 0.1	c2	0.60 ± 0.10
T	0.65 max.	c3	0.30 ± 0.15
a1	0.25 ± 0.10	e	0.23 ± 0.05
a2	0.40 ± 0.10	-	-



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

TERMINAL CONFIGURATION

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

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- 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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