

BAND PASS FILTER

1. Characteristics (at -40 to +85 °C)

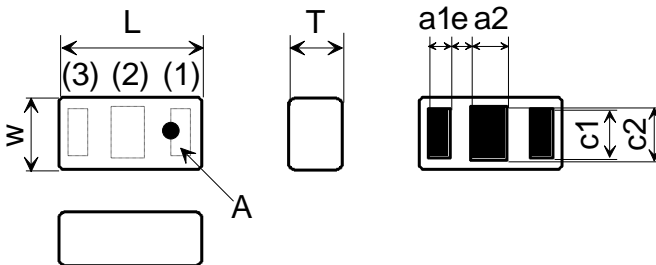
Part Number	LFB182G45CGFD436
Nominal Characteristics Impedance	50 Ω (Nominal)
Nominal Center Frequency	2450.00 MHz
Pass Band Range (BW)	$f_0 \pm 50.00$ MHz
Insertion Loss in BW	2.60dB. max. at 25 °C 2.80dB max. at -40 ~ +85 °C
Attenuation (Absolute value)	40.0 dB min at 0 ~ 1610.00 MHz 38.0 dB min at 1710.00 ~ 1785.00 MHz 36.0 dB min at 1805.00 ~ 1990.00 MHz 30.0 dB min at 2010.00 ~ 2170.00 MHz 35.0 dB min at 4800.00 ~ 5825.00 MHz 30.0 dB min at 7200.00 ~ 7500.00 MHz 30.0 dB min at 9600.00 ~ 10000.00 MHz 30.0 dB min at 12000.00 ~ 12500.00 MHz
V.S.W.R. in BW	1.70max.
Power Capacity	500 mW

2. Construction, Dimensions & Marking

3. Land Pattern

<Top View>

<Bottom View>



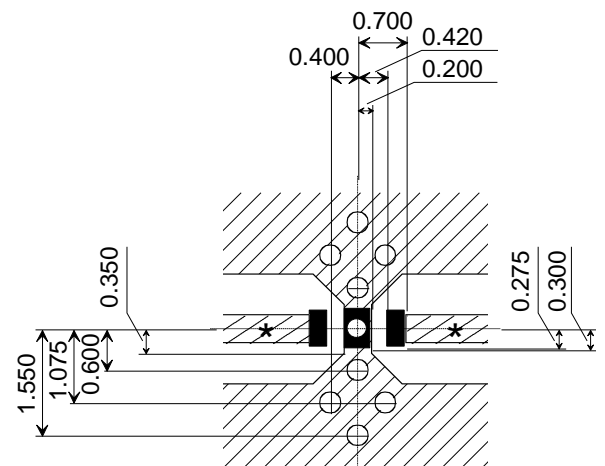
Mark	Meaning
A	Directional Input Mark

(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	-	-



(in mm)

- 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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- 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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