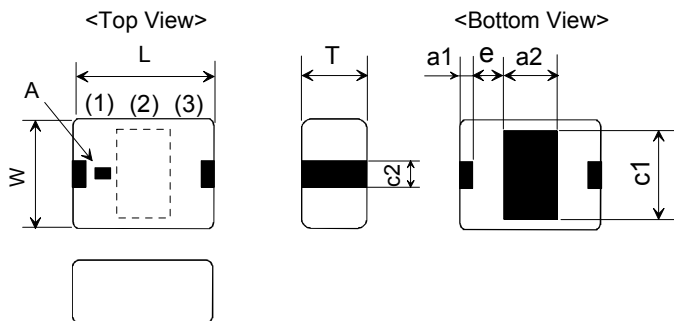


BAND PASS FILTER

1. Characteristics (at -40 ~ +85 °C)

Part Number	LFB321G40CM8D710
Port Impedance (Nominal)	75 Ω
Nominal Center Frequency (fo)	1400.00 MHz
Pass Band Range (BW)	fo ± 275.00 MHz
Insertion Loss in BW	1.80 dB max. (at 25 °C) 2.00 dB max. (at -40 ~ +85 °C)
Attenuation (Absolute value)	30.0 dB min. at 5.00 ~ 864.00 MHz 34.0 dB min. at 864.00 ~ 1002.00 MHz 32.0 dB min. at 2300.00 ~ 3000.00 MHz
V.S.W.R. in BW	2.00 max.
Power Capacity	500 mW max.

2. Construction, Dimensions & Marking



Mark	Meaning
A	Directional Input Mark

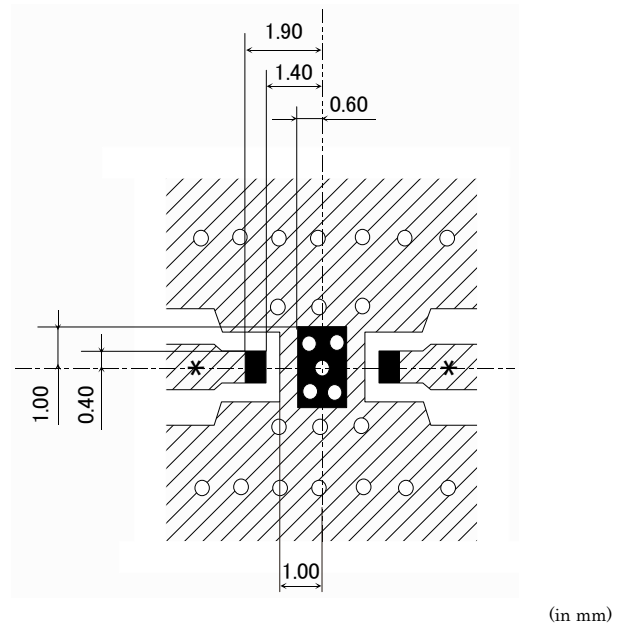
(in mm)

Mark	Dimension	Mark	Dimension
L	3.2 ± 0.2	a2	1.20 ± 0.15
W	2.5 ± 0.2	c1	2.00 ± 0.15
T	2.0 max.	c2	0.60 ± 0.20
a1	0.30 ± 0.15	e	0.70 ± 0.15

TERMINAL CONFIGURATION

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

3. Land Pattern



(in mm)

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

* Line width to be designed to match 75 ohm characteristic impedance, Depending on PCB material and thickness.

4. Electric Discharge Test Result

This component is confirmed with CDM* +/-3.0kV test, without any function error.

(CDM test standard: EIAJ EDX-4702)

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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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