

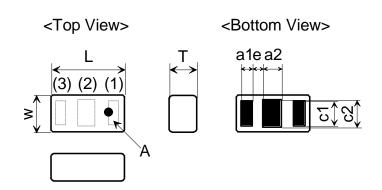
# **BAND PASS FILTER**

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

Part Number	LFB185G54CGLD708		
Nominal Characteristics Impedance	al Characteristics Impedance 50 Ω (Nominal)		
Pass Band Range (BW)	5425.00 ± 525.00 MHz		
Insertion Loss in BW	0.85 dB max. at 25 °C 1.00 dB max. at -40 ~ +85 °C		
Attenuation (Absolute value)	32.0 dB min. at 30.00 ~ 2700.00 MHz 15.0 dB min. at 3400.00 ~ 3800.00 MHz 15.0 dB min. at 9800.00 ~ 11900.00 MHz 5.0 dB min. at 14700.00 ~ 17850.00 MHz		
V.S.W.R. in BW	2.10 max.		
Power Capacity	500 mW max.		

# 2. Construction, Dimensions & Marking

### 3. Land Pattern

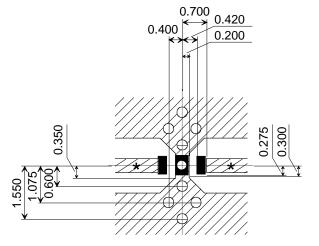


Mark	Meaning	
A	Directional Input Mark	

			(in mm)
Mark	Dimension	Mark	Dimension
L	$1.6 \pm 0.1$	a2	$0.40 \pm 0.10$
W	$0.8 \pm 0.1$	c1	$0.55 \pm 0.10$
T	0.65 max.	c2	$0.60 \pm 0.10$
a1	$0.25 \pm 0.10$	е	$0.23 \pm 0.05$

### TERMINAL CONFIGURATION

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



Land

Solder resist

No pattern
Solder resist

Through Hole Φ 0.30

(in mm)

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



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

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