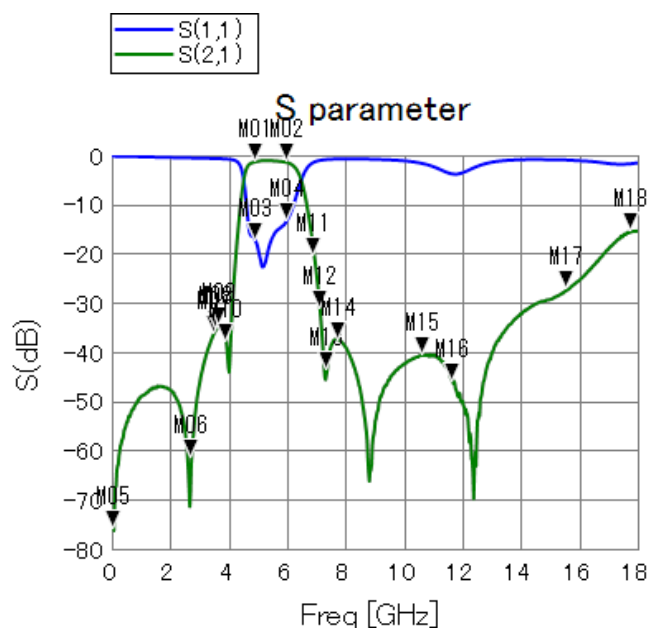


BAND PASS FILTER

1. Characteristics (at -40 ~ + 85 °C)

Part Number	LFB185G42CGZE130
Nominal Characteristics Impedance	50 Ω (Nominal)
Nominal Center Frequency	5425.00 MHz
Pass Band Range (BW)	$f_0 \pm 525.00$ MHz
Insertion Loss in BW	1.50 dB max. at 25 °C 1.70 dB max. at -40 ~ +85 °C
Attenuation (Absolute value)	38.0 dB min. at 30.00 ~ 2700.00 MHz 20.0 dB min. at 3453.00 ~ 3547.00 MHz 30.0 dB min. at 3667.00 ~ 3883.00 MHz 15.0 dB min. at 6900.00 ~ 7093.00 MHz 30.0 dB min. at 7333.00 ~ 7750.00 MHz 37.0 dB min. at 10600.00 ~ 11650.00 MHz 10.0 dB min. at 15540.00 ~ 17760.00 MHz
V.S.W.R. in BW	2.00 max.
Power Capacity	500 mW max.



M01 : S(2,1)
Freq 4.900G Hz
S(dB) -1.104
M02 : S(2,1)
Freq 5.950G Hz
S(dB) -1.239

M03 : S(1,1)
Freq 4.900G Hz
S(dB) -17.370
M04 : S(1,1)
Freq 5.950G Hz
S(dB) -13.186

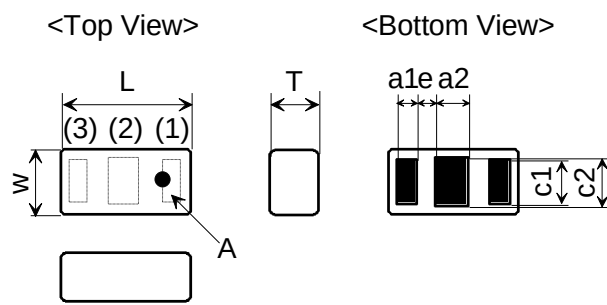
M05 : S(2,1)
Freq 30.000M Hz
S(dB) -75.906
M06 : S(2,1)
Freq 2.700G Hz
S(dB) -61.235
M07 : S(2,1)
Freq 3.453G Hz
S(dB) -36.190
M08 : S(2,1)
Freq 3.547G Hz
S(dB) -35.176
M09 : S(2,1)
Freq 3.667G Hz
S(dB) -34.539
M10 : S(2,1)
Freq 3.883G Hz
S(dB) -37.659

M11 : S(2,1)
Freq 6.900G Hz
S(dB) -20.362
M12 : S(2,1)
Freq 7.093G Hz
S(dB) -31.077
M13 : S(2,1)
Freq 7.333G Hz
S(dB) -43.527
M14 : S(2,1)
Freq 7.750G Hz
S(dB) -37.356
M15 : S(2,1)
Freq 10.600G Hz
S(dB) -40.474
M16 : S(2,1)
Freq 11.650G Hz
S(dB) -46.020
M17 : S(2,1)
Freq 15.540G Hz
S(dB) -27.222
M18 : S(2,1)
Freq 17.760G Hz
S(dB) -15.367

All the technical data and Information contained herein are subject to change without prior notice.

2. Construction,Dimensions&Marking

3. Land Pattern



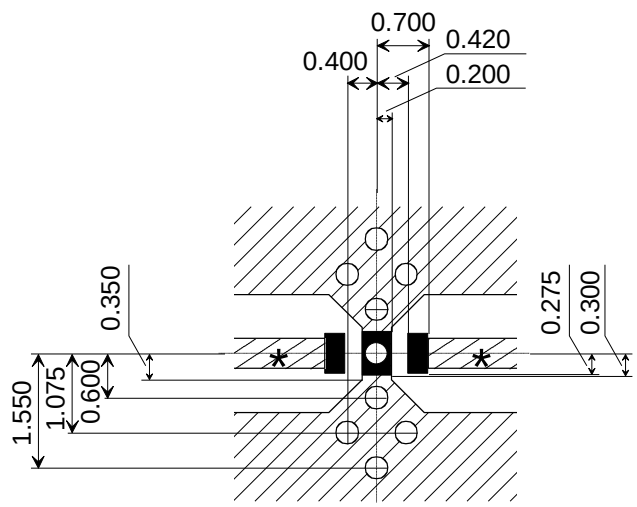
Mark	Meaning
A	Directional Input Mark

(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 Φ 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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