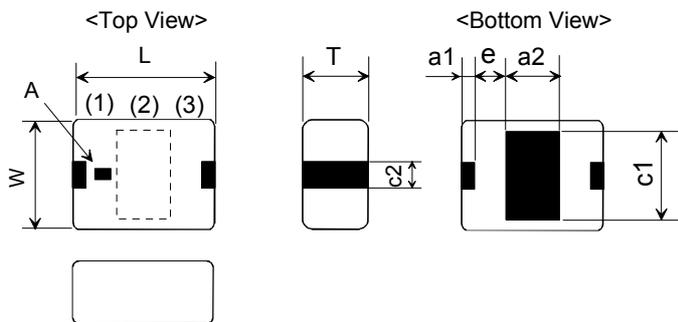


BAND PASS FILTER (Preliminary)

1. Characteristics (at -40 ~ +85 °C)

| | |
|-------------------------------|---|
| Part Number | LFB32575MCM8D605 |
| Port Impedance (Nominal) | 75 Ω |
| Nominal Center Frequency (fo) | 575.00 MHz |
| Pass Band Range (BW) | fo ± 100.00 MHz |
| Insertion Loss in BW | 2.50 dB max. (at 25 °C) 2.70 dB max. (at -40 ~ +85 °C) |
| Attenuation (Absolute value) | 60.0 dB min. at 2.50 MHz 40.0 dB min. at 2.50 ~ 100.00 MHz 35.0 dB min. at 100.00 ~ 200.00 MHz 35.0 dB min. at 200.00 ~ 300.00 MHz 8.0 dB min. at 300.00 ~ 400.00 MHz 57.0 dB min. at 950.00 MHz 47.0 dB min. at 950.00 ~ 2025.00 MHz 41.0 dB min. at 2025.00 ~ 2500.00 MHz 35.0 dB min. at 2500.00 ~ 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 |

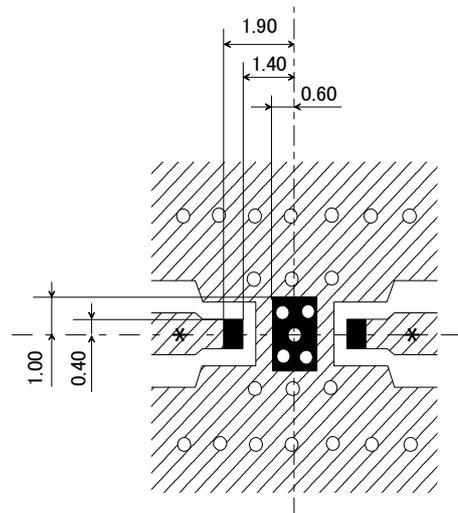
(in mm)

| 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.

**CAUTION**

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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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