

LTCC 带通滤波器 (LTCC Bandpass Filter) HT-B4832-1380-2420M+

Features

- Low Insertion Loss.
- Excellent power handling.
- Good rejection.
- Temperature stable.
- LTCC construction , and has good moisture resistance, corrosion resistance, high reliability.

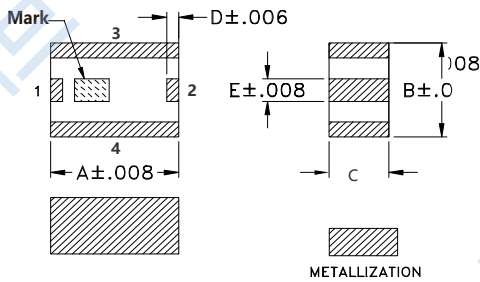
Applications

- Harmonic Rejection.
- Transmitters / Receivers.
- Software defined radio.
- WLAN.
- Cellular network.

Pad Connections

| | |
|--------|-----|
| Input | 1 |
| Output | 3 |
| Ground | 2、4 |

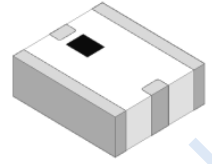
Outline Drawing



Outline Dimensions

| | | | | | |
|------|------|------|------|------|-------------------------------|
| A | B | C | D | E | Unit: mm |
| 4.80 | 3.20 | 1.20 | 0.40 | 0.70 | Tolerance: $\pm 0.2\text{mm}$ |

50 Ω
1380MHz to 2420MHz



Electrical Specifications(1,2) at 25°C

| Parameter | Frequency (MHz) | Min. | Typ. | Max. | Unit |
|------------------|------------------|-------------|------|------|------|
| Pass Band | Center Frequency | — | 1900 | — | MHz |
| | Insertion Loss | 1380 - 2420 | — | 3.0 | dB |
| | Return Loss | 1380 - 2420 | 8 | — | :1 |
| Stop Band, Lower | Rejection | 1180 | 25 | — | dB |
| Stop Band, Upper | Rejection | 2620 | 20 | — | dB |

- (1) The specifications are tested at 25°C \pm 5°C, relative humidity 55~75%.
(2) Other quality and characteristic not specify in this datasheet.

Maximum Ratings

| | |
|-----------------------|-----------------|
| Operating Temperature | -55°C to +100°C |
| Storage Temperature | -55°C to +100°C |
| RF Power Input* | 2W at 25°C |

*Permanent damage may occur if any of these limits are exceeded.

Suggested PCB Layout

