

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[TDK Corporation](#)

[DEA162450BT-1271A3](#)

For any questions, you can email us directly:

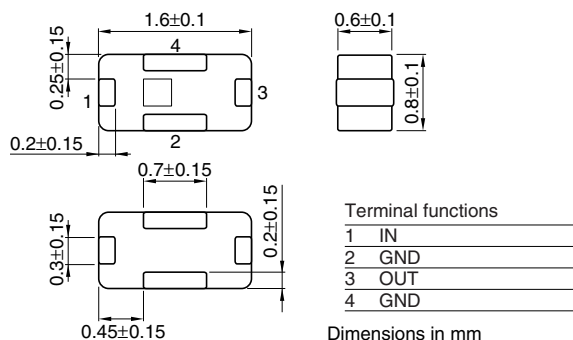
sales@integrated-circuit.com

Multilayer Chip Band Pass Filters For Bluetooth & 2.4GHz W-LAN

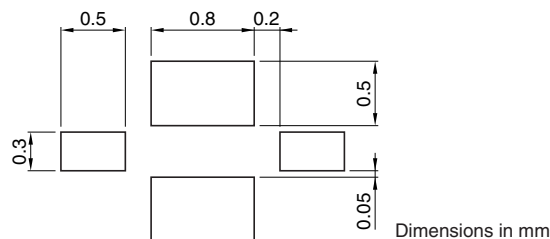
Conformity to RoHS Directive

DEA Series DEA162450BT-1271A3

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERNS



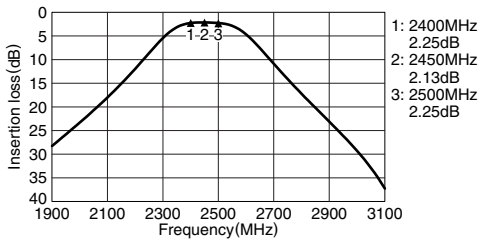
ELECTRICAL CHARACTERISTICS

| Item | | Minimum value | Typical value | Maximum value |
|-------------------------------------|-------------------|---------------|---------------|---------------|
| Frequency range(Pass band) | (MHz) | 2400 | — | 2500 |
| Characteristic impedance(Pass band) | (Ω) | — | 50[Nominal] | — |
| Insertion loss(Pass band) | [+25°C] | (dB) | 2.3 | 3.0 |
| Return loss(Pass band) | | (dB) | 10 | 16 |
| Attenuation | [695 to 800MHz] | (dB) | 25 | 45 |
| | [1910MHz] | (dB) | 22 | 28 |
| | [3200MHz] | (dB) | 35 | 46 |
| | [4800 to 5000MHz] | (dB) | 20 | 27 |
| | [7200 to 7500MHz] | (dB) | 20 | 27 |
| Temperature range | Operating | (°C) | -40 | +85 |
| | Storage | (°C) | -40 | +85 |

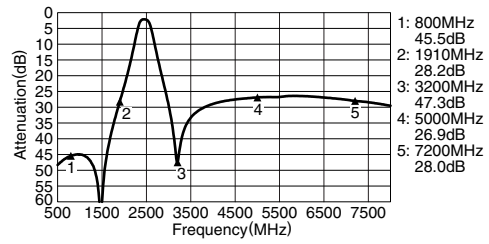
· Ta:+25°C

FREQUENCY CHARACTERISTICS

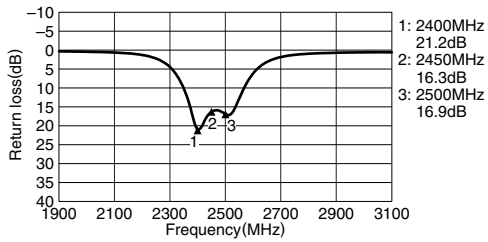
INSERTION LOSS



ATTENUATION



RETURN LOSS



VSWR

