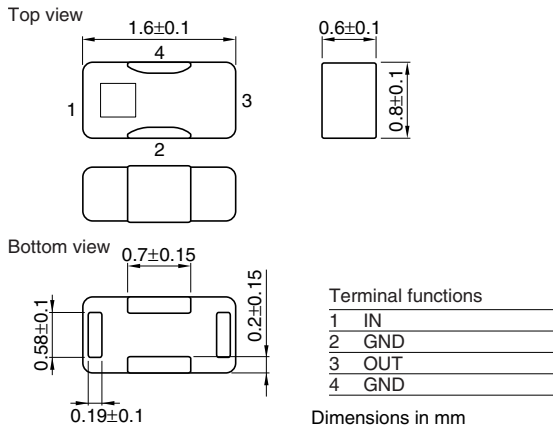


Multilayer Chip Band Pass Filters For 5GHz W-LAN

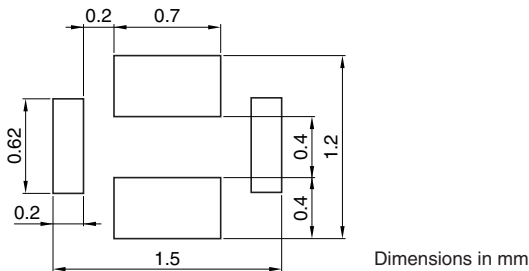
Conformity to RoHS Directive

DEA Series DEA165375BT-2122A1

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERNS



ELECTRICAL CHARACTERISTICS

| Item | | | Minimum value | Typical value | Maximum value | |
|-------------------|---------------------|-------------------|---------------|---------------|---------------|-----|
| Center frequency | [5375MHz] | (MHz) | — | — | — | |
| Insertion loss | [+25°C] | [4900 to 5149MHz] | (dB) | — | 1.1 | 1.7 |
| | | [5150 to 5850MHz] | (dB) | — | 1.1 | 1.5 |
| | [-40 to +85°C] | [4900 to 5149MHz] | (dB) | — | — | 2.0 |
| | | [5150 to 5850MHz] | (dB) | — | — | 1.8 |
| Return loss | [4900 to 5850MHz] | (dB) | 10 | 14 | — | |
| Ripple(Pass band) | [4900 to 5850MHz] | (dB) | — | 0.2 | 0.7 | |
| | [824 to 960MHz] | (dB) | 42.5 | 49 | — | |
| | [1570 to 1580MHz] | (dB) | 19.5 | 48 | — | |
| | [1710 to 1910MHz] | (dB) | 43.5 | 48 | — | |
| | [1920 to 1990MHz] | (dB) | 30.5 | 50 | — | |
| Attenuation | [2110 to 2170MHz] | (dB) | 21.5 | 54 | — | |
| | [9800 to 11700MHz] | (dB) | 25 | 38 | — | |
| | [14700 to 17550MHz] | (dB) | 10 | 36 | — | |
| Temperature range | Operating | (°C) | -40 | — | +85 | |
| | Storage | (°C) | -40 | — | +85 | |

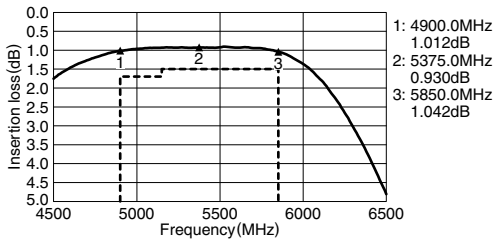
· Ta:+25°C

• Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

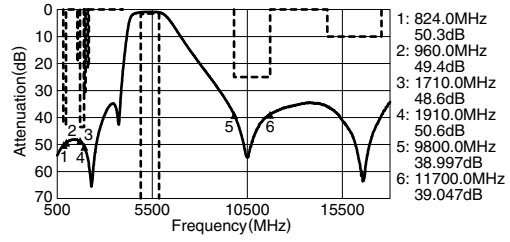
• All specifications are subject to change without notice.

FREQUENCY CHARACTERISTICS

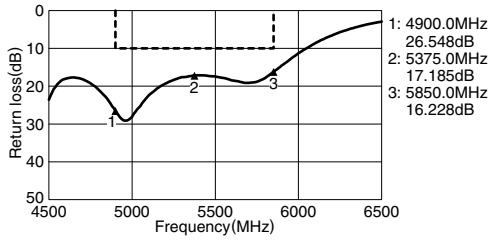
INSERTION LOSS



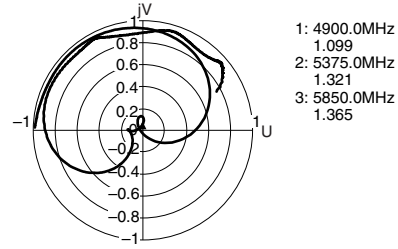
ATTENUATION



RETURN LOSS



VSWR



• All specifications are subject to change without notice.