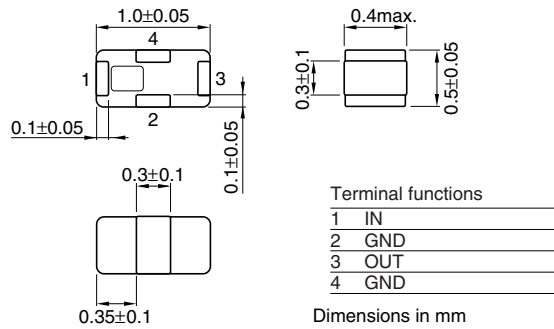


# Multilayer Chip Low Pass Filters For Bluetooth & 2.4GHz W-LAN

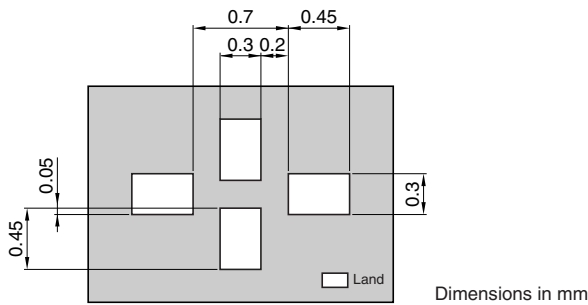
Conformity to RoHS Directive

DEA Series DEA102500LT-6307A1

## SHAPES AND DIMENSIONS



## RECOMMENDED PC BOARD PATTERNS



## ELECTRICAL CHARACTERISTICS

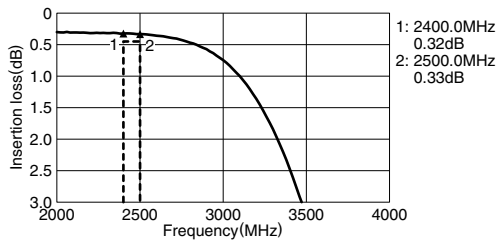
| Item              |                |                   |      | Minimum value | Typical value | Maximum value |
|-------------------|----------------|-------------------|------|---------------|---------------|---------------|
| Insertion loss    | [25°C]         | [2400 to 2500MHz] | (dB) | —             | 0.33          | 0.45          |
|                   | [-40 to +85°C] | [2400 to 2500MHz] | (dB) | —             | —             | 0.55          |
| Attenuation       |                | [4800 to 5000MHz] | (dB) | 21.0          | 26.0          | —             |
|                   |                | [7200 to 7500MHz] | (dB) | 21.0          | 24.2          | —             |
| VSWR              |                | [2400 to 2500MHz] |      | —             | 1.21          | 1.7           |
| Temperature range |                | Operating         | (°C) | -40           | —             | +85           |
|                   |                | Storage           | (°C) | -40           | —             | +85           |

• 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.

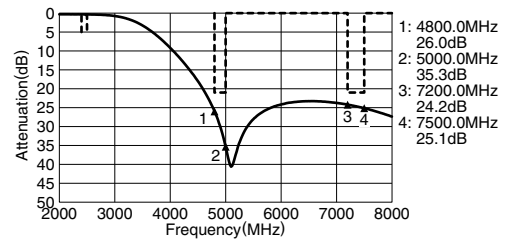
• All specifications are subject to change without notice.

### FREQUENCY CHARACTERISTICS

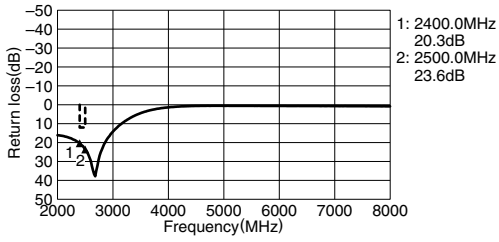
#### INSERTION LOSS



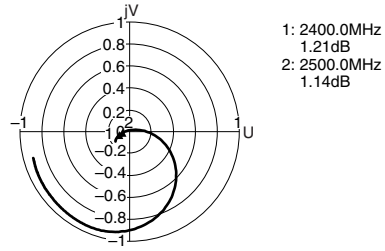
#### ATTENUATION



#### RETURN LOSS



#### VSWR



• All specifications are subject to change without notice.