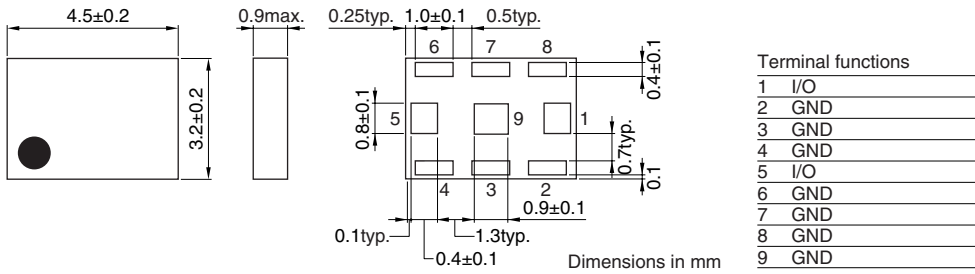


Multilayer Chip Band Pass Filters For UWB

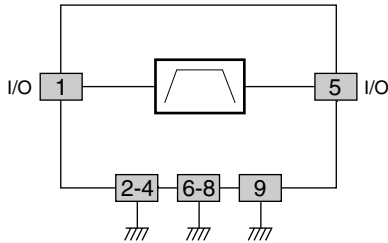
Conformity to RoHS Directive

DEA Series DEA453960BT-3002B1

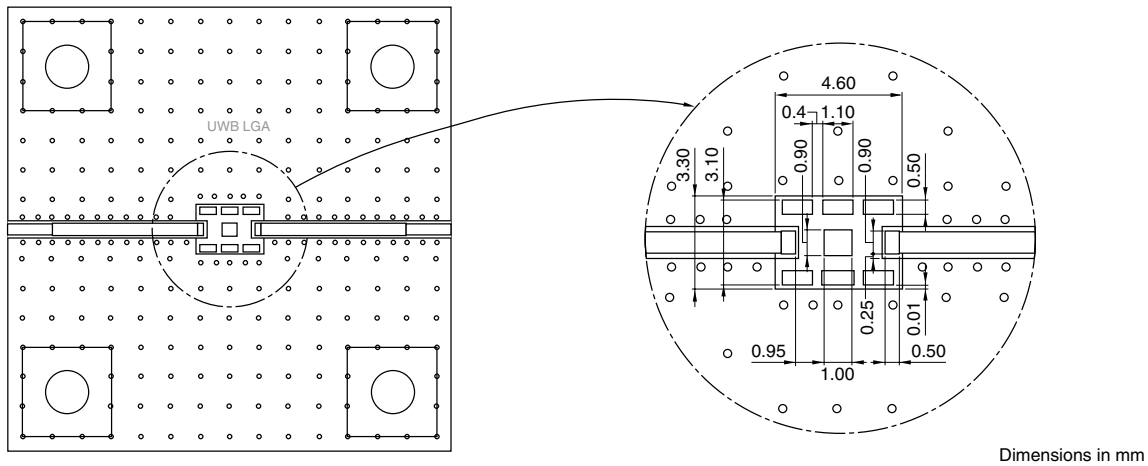
SHAPES AND DIMENSIONS



BLOCK DIAGRAM



RECOMMENDED PC BOARD PATTERNS



- 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.

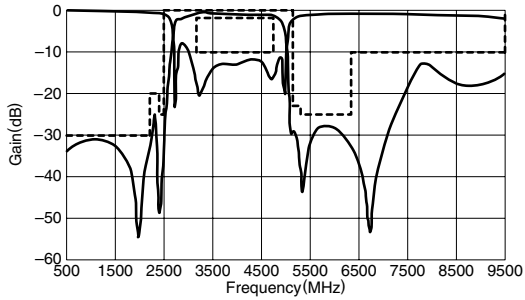
- All specifications are subject to change without notice.

ELECTRICAL CHARACTERISTICS

| Item | | | Minimum value | Typical value | Maximum value |
|-------------------|------------------|-------------------|---------------|---------------|---------------|
| Insertion loss | [at 25°C] | [3168 to 4752MHz] | (dB) | — | 1.7 |
| | [at -30 to 85°C] | [3168 to 4752MHz] | (dB) | — | 2.2 |
| Input return loss | | [3168 to 4752MHz] | (dB) | 10 | — |
| | | [DC to 2200MHz] | (dB) | 30 | — |
| | | [2400 to 2500MHz] | (dB) | 26 | — |
| | | [5150 to 5300MHz] | (dB) | 23 | — |
| | | [5300 to 5900MHz] | (dB) | 25 | — |
| Attenuation | | [6336 to 9504MHz] | (dB) | 10 | — |
| | | Operating | (°C) | -30 | — |
| | | Storage | (°C) | -30 | — |
| | | | | | +85 |

• $Z_L=50\Omega$

FREQUENCY CHARACTERISTICS



• All specifications are subject to change without notice.