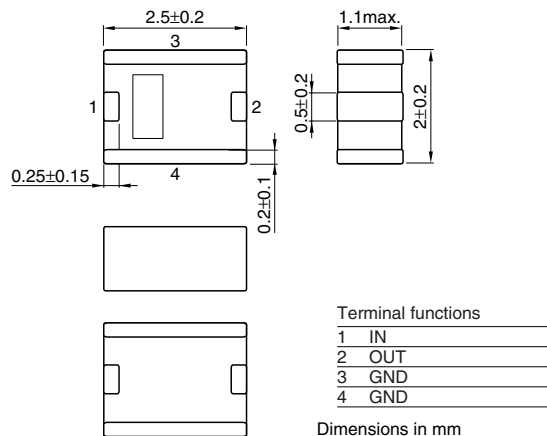


Multilayer Chip Band Pass Filters For 5.0GHz W-LAN

Conformity to RoHS Directive

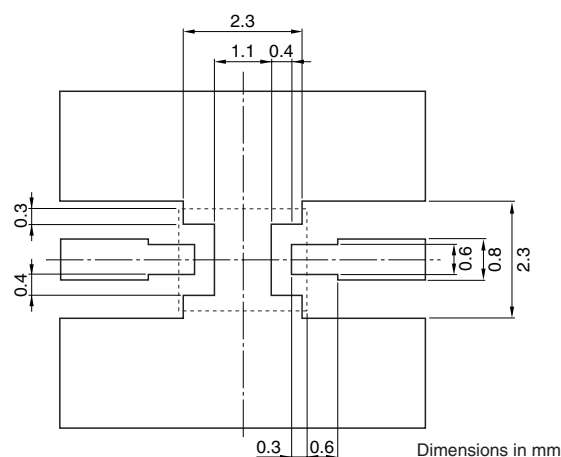
DEA Series DEA255395BT-2065D2

SHAPES AND DIMENSIONS



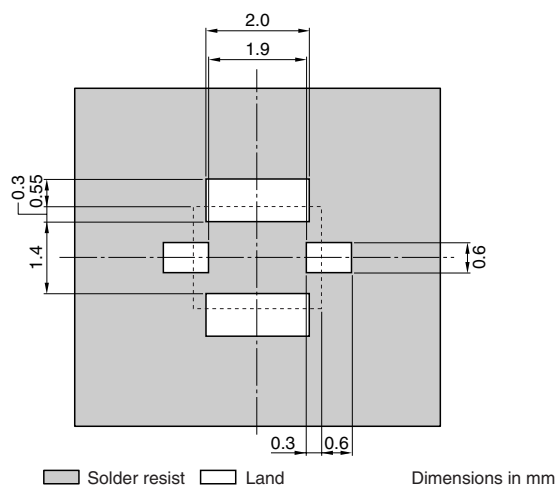
RECOMMENDED PC BOARD PATTERNS

LAND



Line width be designed to match 50Ω characteristic impedance depending on PCB material and thickness

SOLDER RESIST



ELECTRICAL CHARACTERISTICS

Item		Minimum value	Typical value	Maximum value
Center frequency	[5395MHz]			
Insertion loss	[4940 to 5850MHz]	—	—	3.5
VSWR	[4940 to 5850MHz]	—	—	2.1
Ripple in pass band	[4940 to 5850MHz]	—	—	2
Attenuation	[DC to 2700MHz]	40	—	—
	[2700 to 4650MHz]	24	—	—
	[7250 to 8000MHz]	30	—	—
	[9880 to 11700MHz]	28	—	—
Temperature range	Operating	−30	—	+85
	Storage	−30	—	+85

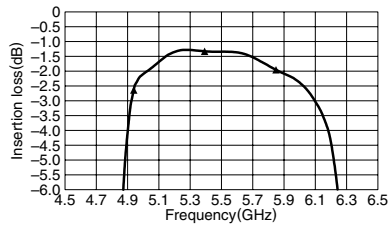
• Ta: −30 to +85°C

• 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.

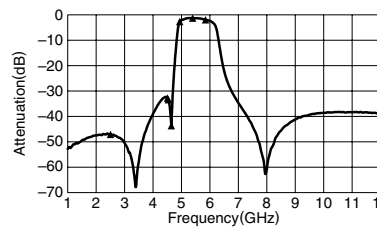
FREQUENCY CHARACTERISTICS

INSERTION LOSS



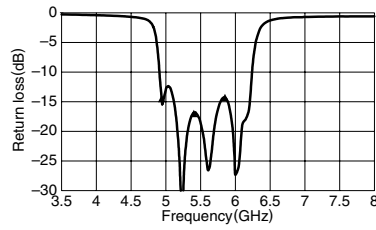
- 1: 4.94GHz
-2.64dB
- 2: 5.395GHz
-1.33dB
- 3: 5.85GHz
-1.9dB

ATTENUATION



- 1: 2.5MHz
-47.02dB
- 2: 4.515MHz
-32.83dB
- 3: 4.55GHz
-33.73dB
- 4: 4.65GHz
-43.64dB
- 5: 4.94GHz
-2.64dB
- 6: 5.395GHz
-1.33dB
- 7: 5.85GHz
-1.9dB

RETURN LOSS



- 1: 4.94GHz
-14.46dB
- 2: 5.395GHz
-16.99dB
- 3: 5.85GHz
-14.232dB

VSWR

