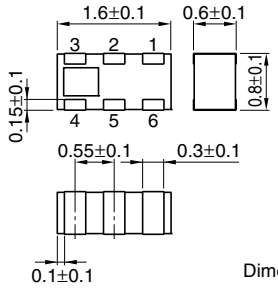
Multilayer Chip Low Pass Filters For WiMAX

Conformity to RoHS Directive

DEA Series DEA163800LT-5017C1

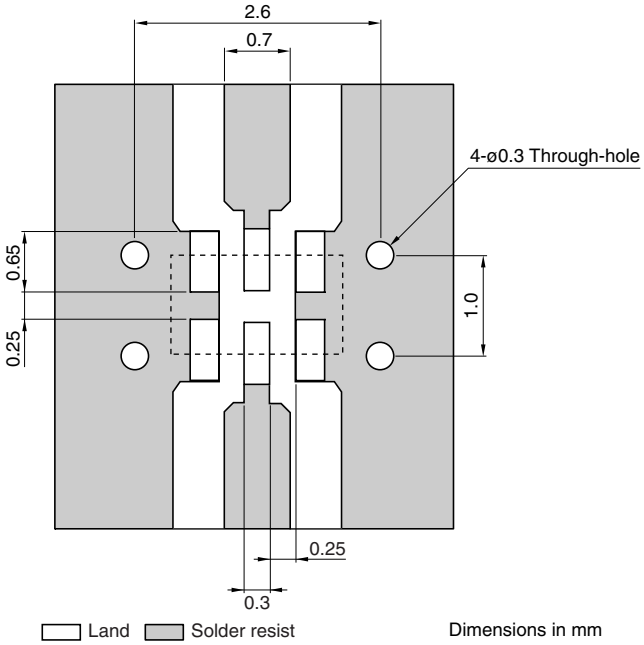
SHAPES AND DIMENSIONS



Terminal functions	
1	GND
2	IN
3	GND
4	GND
5	OUT
6	GND

Dimensions in mm

RECOMMENDED PC BOARD PATTERNS



Dimensions in mm

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

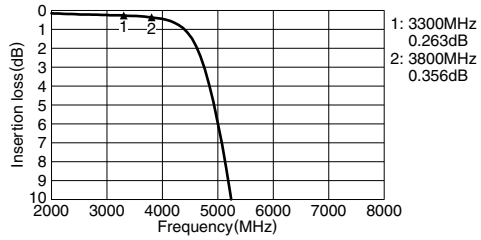
ELECTRICAL CHARACTERISTICS

Item	Frequency range		Minimum value	Typical value	Maximum value
Insertion loss	[3300 to 3800MHz]	(dB)	—	—	0.60
Return loss	[3300 to 3800MHz]	(dB)	10.0	—	—
Attenuation	[6600 to 7600MHz]	(dB)	35.0	—	—
	[9900 to 11400MHz]	(dB)	35.0	—	—
Temperature range	Operating	(°C)	–40	—	+85
	Storage	(°C)	–40	—	+85

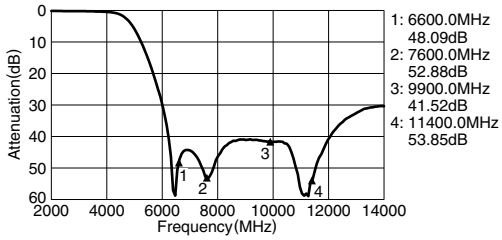
- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

FREQUENCY CHARACTERISTICS

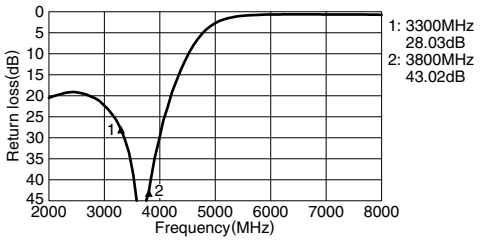
INSERTION LOSS



ATTENUATION



RETURN LOSS



VSWR