

Multilayer Low Pass Filters

For 2.4GHz W-LAN/Bluetooth

DEA Series

Type: **DEA162500LT-1212A1 (1.6×0.8×0.6mm)**
 DEA162500LT-1217A1 (1.6×0.8×0.6mm)

Issue date: November 2010

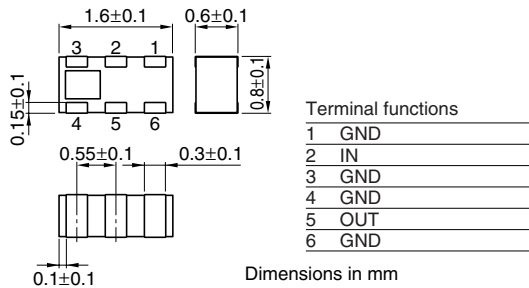
- All specifications are subject to change without notice.
 - Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.
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Multilayer Chip Low Pass Filters For 2.4GHz W-LAN

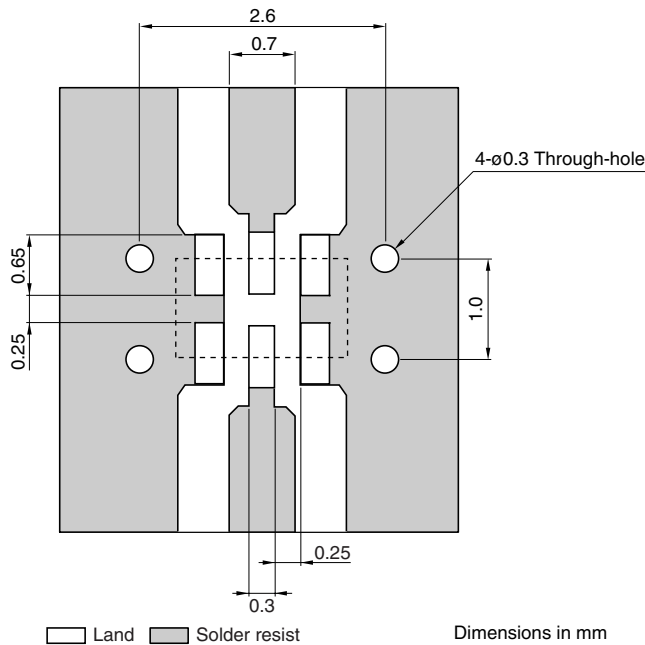
Conformity to RoHS Directive

DEA Series DEA162500LT-1212A1

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERNS



ELECTRICAL CHARACTERISTICS

Item			Minimum value	Typical value	Maximum value
Insertion loss	[2400 to 2500MHz]	(dB)	—	—	0.42
Return loss	[2400 to 2500MHz]	(dB)	14	—	—
Attenuation	[4800 to 5000MHz]	(dB)	25	—	—
	[7200 to 7500MHz]	(dB)	18	—	—
Temperature range	Operating	(°C)	-40	—	+85
	Storage	(°C)	-40	—	+85

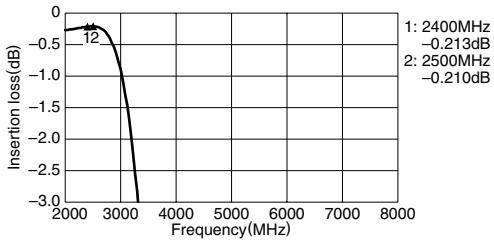
• Ta: +25±5°C

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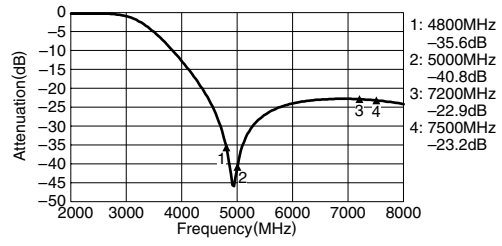
• All specifications are subject to change without notice.

FREQUENCY CHARACTERISTICS

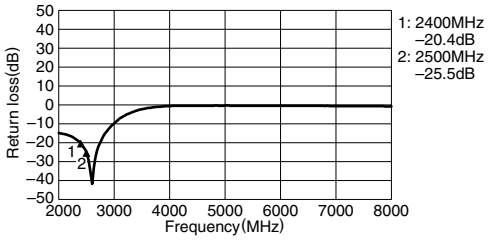
INSERTION LOSS



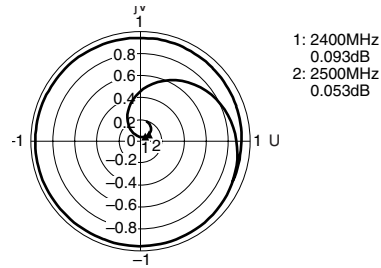
ATTENUATION



RETURN LOSS



VSWR

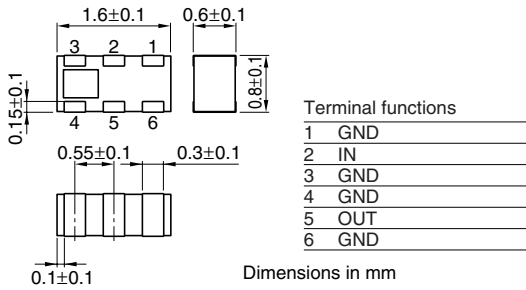


Multilayer Chip Low Pass Filters For 2.4GHz W-LAN

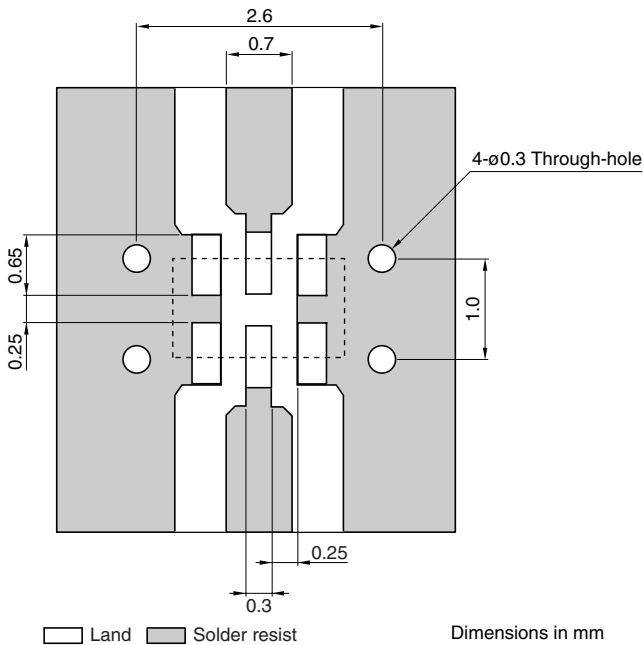
Conformity to RoHS Directive

DEA Series DEA162500LT-1217A1

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERNS



ELECTRICAL CHARACTERISTICS

Item			Minimum value	Typical value	Maximum value
Insertion loss	[2400 to 2500MHz]	(dB)	—	—	0.48
Return loss	[2400 to 2500MHz]	(dB)	14	—	—
Attenuation	[4800 to 5000MHz]	(dB)	35	—	—
	[7200 to 7500MHz]	(dB)	27	—	—
Temperature range	Operating	(°C)	-40	—	+85
	Storage	(°C)	-40	—	+85

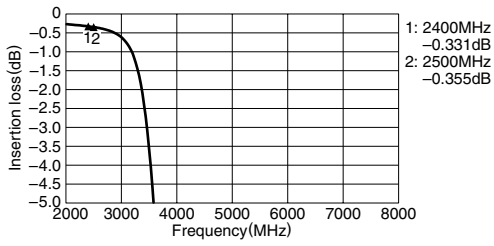
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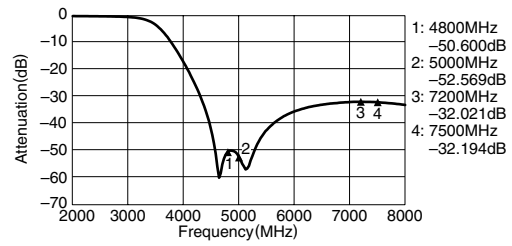
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FREQUENCY CHARACTERISTICS

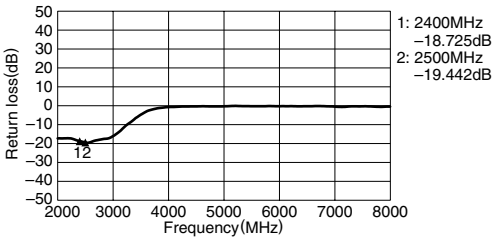
INSERTION LOSS



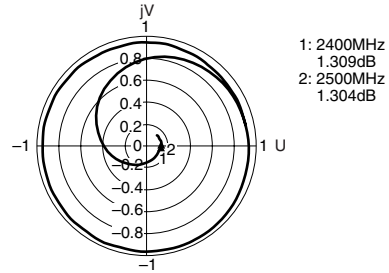
ATTENUATION



RETURN LOSS



VSWR



Mouser Electronics

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TDK:

[DEA162500LT-1212A1](#) [DEA162500LT-1217A1](#)