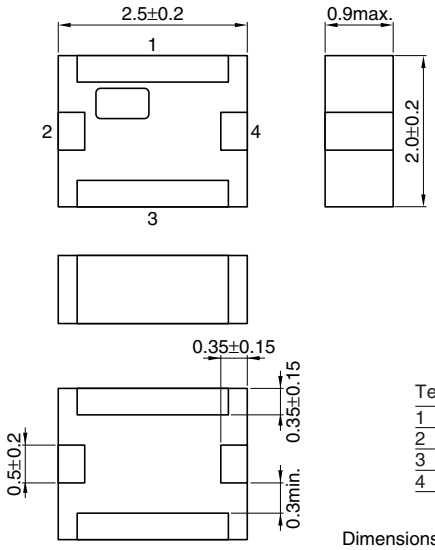
Multilayer Chip Band Pass Filters For 2.4GHz W-LAN/Bluetooth

Conformity to RoHS Directive

DEA Series DEA252450BT-2134B1

SHAPES AND DIMENSIONS



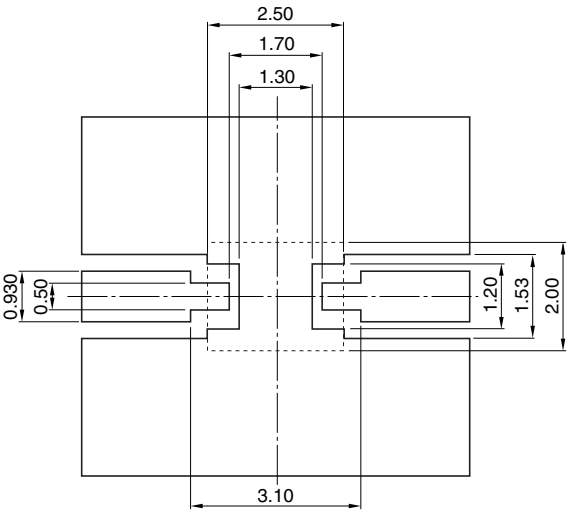
Terminal functions

1	GND
2	IN
3	GND
4	OUT

Dimensions in mm

RECOMMENDED PC BOARD PATTERNS

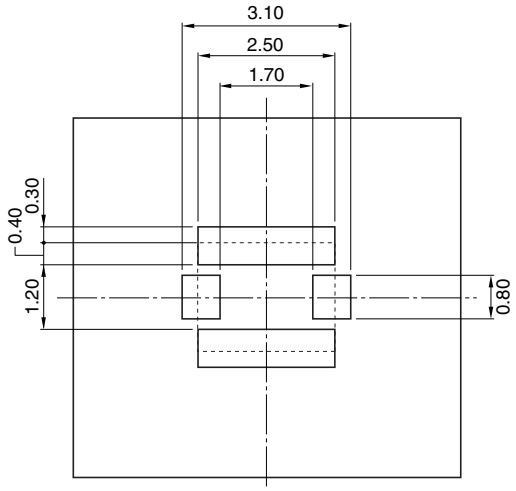
LAND



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

Dimensions in mm

SOLDER RESIST



Dimensions in mm

- 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.

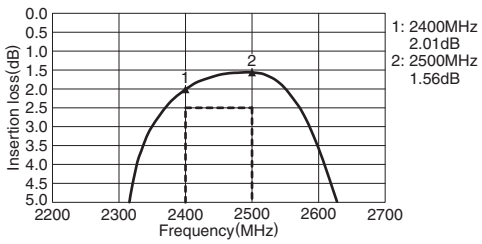
ELECTRICAL CHARACTERISTICS

Item			Typical value
Frequency range(Pass band)		2400 to 2500MHz	—
Single ended port characteristic impedance		50Ω (Nominal)	—
Insertion loss(Pass band)	[+25°C]	2.5dB max.	2.0dB
	[–40 to +85°C]	—	—
Attenuation	[824 to 849MHz]	42dB min.	47dB
	[869 to 894MHz]	42dB min.	45dB
	[894 to 915MHz]	42dB min.	45dB
	[925 to 960MHz]	42dB min.	45dB
	[1570 to 1580MHz]	40dB min.	43dB
	[1710 to 1785MHz]	43dB min.	44dB
	[1805 to 1850MHz]	41dB min.	46dB
	[1850 to 1910MHz]	41dB min.	48dB
	[1920 to 1990MHz]	40dB min.	50dB
	[2110 to 2170MHz]	35dB min.	40dB
	[4800 to 5000MHz]	40dB min.	60dB
	[7200 to 7500MHz]	35dB min.	46dB
Temperature range	Operating	–40 to +85°C	
	Storage	–40 to +85°C	

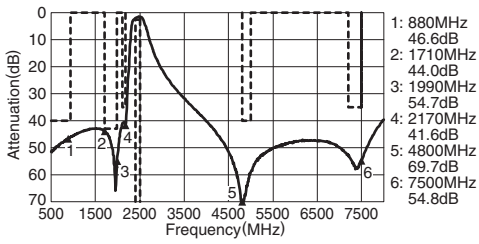
• Ta:+25°C

FREQUENCY CHARACTERISTICS

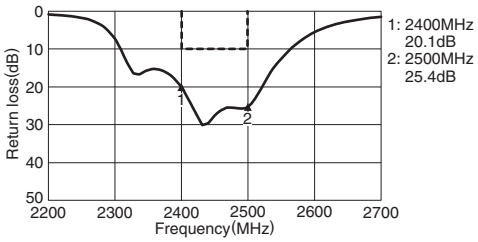
INSERTION LOSS



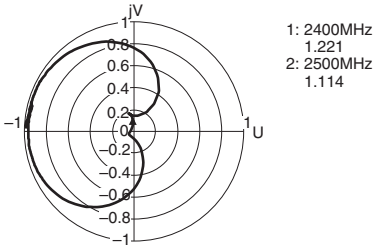
ATTENUATION



RETURN LOSS



VSWR



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