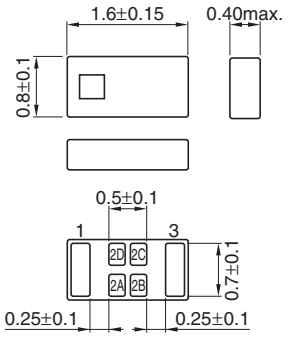
Multilayer Chip Band Pass Filters For 2.4GHz W-LAN/Bluetooth

Conformity to RoHS Directive

DEA Series DEA162450BT-2169A4

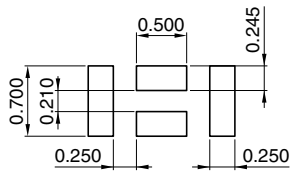
SHAPES AND DIMENSIONS



Terminal functions	
1	IN
2A	GND
2B	GND
2C	GND
2D	GND
3	OUT

Dimensions in mm

RECOMMENDED PC BOARD PATTERNS



Dimensions in mm

ELECTRICAL CHARACTERISTICS

Item		Typical value
Frequency range(Pass band)		2400 to 2500MHz
Insertion loss	[+25°C]	3.0dB max.
	[–40 to +85°C]	—
VSWR	[2400 to 2500MHz]	1.92 max.
Attenuation	[869 to 894MHz]	35dB min.
	[925 to 960MHz]	35dB min.
	[1570 to 1580MHz]	30dB min.
	[1710 to 1785MHz]	20dB min.
	[1805 to 1850MHz]	20dB min.
	[1930 to 1990MHz]	20dB min.
	[2110 to 2170MHz]	15dB min.
	[4800 to 5000MHz]	20dB min.
	[7200 to 7500MHz]	15dB min.
Temperature range	Operating	–40 to +85°C
	Storage	–40 to +85°C

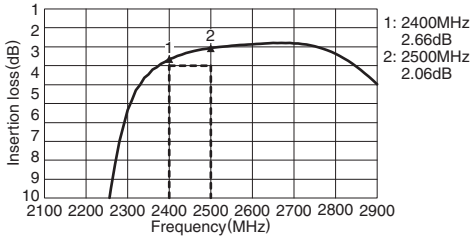
• Ta:+25°C

• 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.

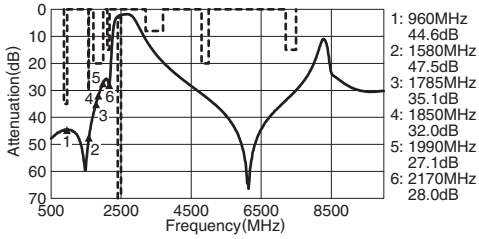
• All specifications are subject to change without notice.

FREQUENCY CHARACTERISTICS

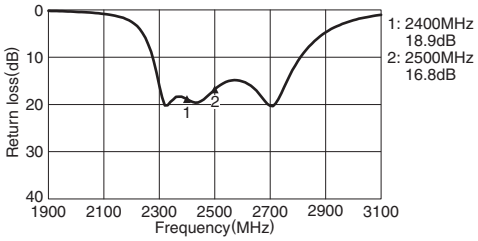
INSERTION LOSS



ATTENUATION



RETURN LOSS



VSWR

