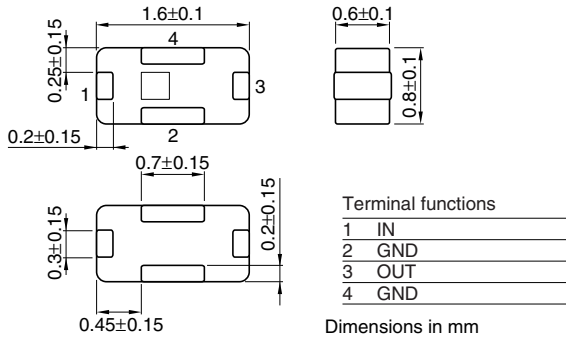


# Multilayer Chip Band Pass Filters For Bluetooth & 2.4GHz W-LAN

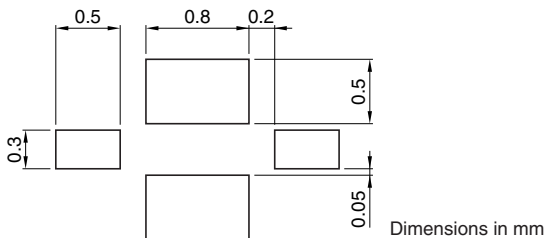
Conformity to RoHS Directive

DEA Series DEA162450BT-1271A3

## SHAPES AND DIMENSIONS



## RECOMMENDED PC BOARD PATTERNS



## ELECTRICAL CHARACTERISTICS

Item		Minimum value	Typical value	Maximum value
Frequency range(Pass band)	(MHz)	2400	—	2500
Characteristic impedance(Pass band)	( $\Omega$ )	—	50[Nominal]	—
Insertion loss(Pass band)	[+25°C] (dB)	—	2.3	3.0
Return loss(Pass band)	(dB)	10	16	—
Attenuation	[695 to 800MHz] (dB)	25	45	—
	[1910MHz] (dB)	22	28	—
	[3200MHz] (dB)	35	46	—
	[4800 to 5000MHz] (dB)	20	27	—
	[7200 to 7500MHz] (dB)	20	27	—
Temperature range	Operating (°C)	-40	—	+85
	Storage (°C)	-40	—	+85

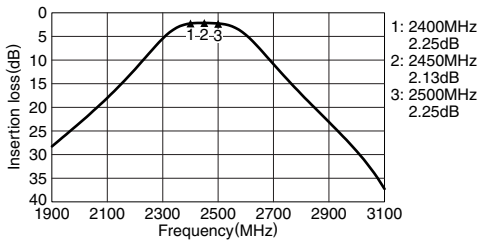
• Ta: +25°C

• 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.

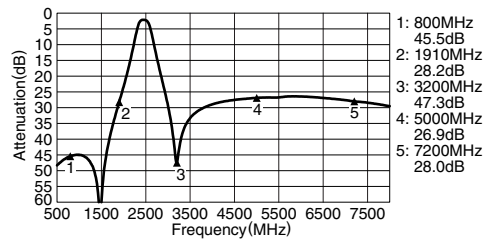
• All specifications are subject to change without notice.

### FREQUENCY CHARACTERISTICS

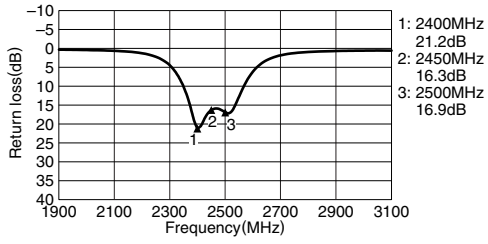
#### INSERTION LOSS



#### ATTENUATION



#### RETURN LOSS



#### VSWR

