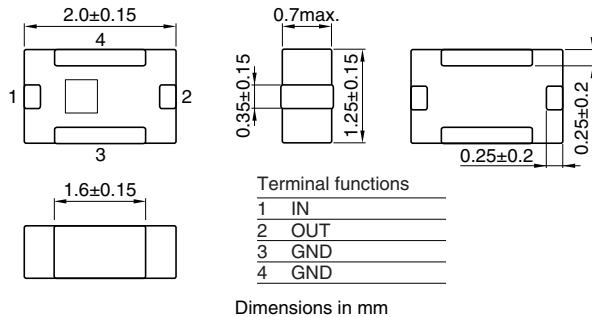


Multilayer Chip Band Pass Filters For Bluetooth & 2.4GHz W-LAN

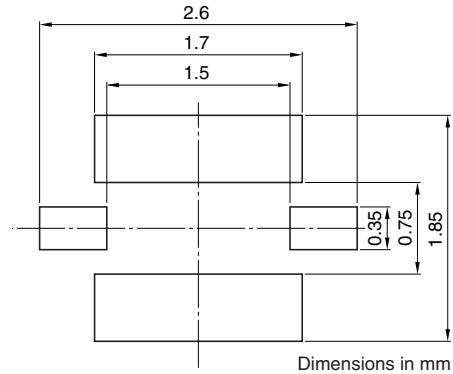
Conformity to RoHS Directive

DEA Series DEA202441BT-2106A2

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERNS



ELECTRICAL CHARACTERISTICS

Item			Minimum value	Typical value	Maximum value
RF input power	[2400 to 2483.5MHz]	(dBm)	—	—	24
Insertion loss	[2400 to 2483.5MHz]	(dB)	—	2.7	3.6
Single ended output port characteristic impedance	[2400 to 2483.5MHz]	(Ω)	50[Nominal]		
Single ended input port impedance	[2441MHz]	(Ω)	50[Nominal]		
Input VSWR	[2400 to 2483.5MHz]		—	1.3	1.9
Output VSWR	[2400 to 2483.5MHz]		—	1.3	1.9
Pass band ripple	[2400 to 2483.5MHz]	(dB)	—	0.7	1.1
Attenuation	[DC to 746MHz]	(dB)	30	43	—
	[746 to 764MHz]	(dB)	30	43	—
	[776 to 794MHz]	(dB)	30	42	—
	[824 to 849MHz]	(dB)	30	42	—
	[869 to 894MHz]	(dB)	30	40	—
	[894 to 915MHz]	(dB)	30	40	—
	[925 to 960MHz]	(dB)	30	40	—
	[1570 to 1580MHz]	(dB)	28	37	—
	[1710 to 1785MHz]	(dB)	33	37	—
	[1805 to 1850MHz]	(dB)	33	38	—
	[1850 to 1910MHz]	(dB)	33	38	—
	[1920 to 1980MHz]	(dB)	34	40	—
	[2110 to 2170MHz]	(dB)	28	33	—
	[4000 to 4800MHz]	(dB)	20	33	—
	[4800 to 4967MHz]	(dB)	29	33	—
	[4967 to 7200MHz]	(dB)	20	34	—
Temperature range	[7200 to 7451MHz]	(dB)	22	44	—
	[7451 to 8000MHz]	(dB)	10	17	—
	Operating	(°C)	−40	—	+85
	Storage	(°C)	−40	—	+85

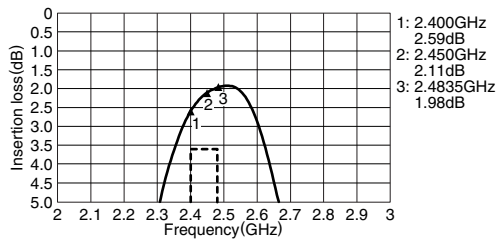
• Ta: +25°C

• 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.

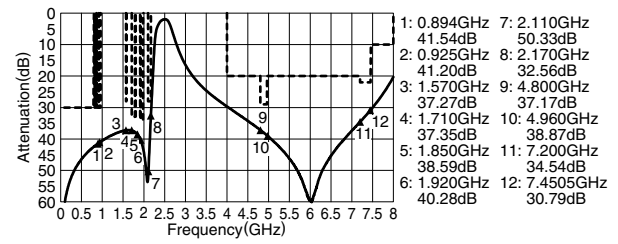
• All specifications are subject to change without notice.

FREQUENCY CHARACTERISTICS

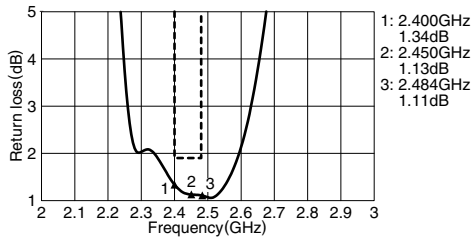
INSERTION LOSS



ATTENUATION



S11 VSWR



S22 VSWR

