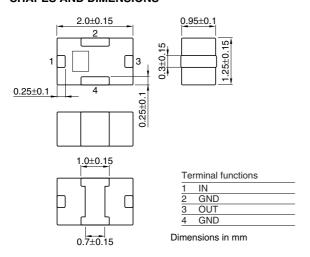
公TDK

Multilayer Chip Band Pass Filters For 5.0GHz Digital Cordless

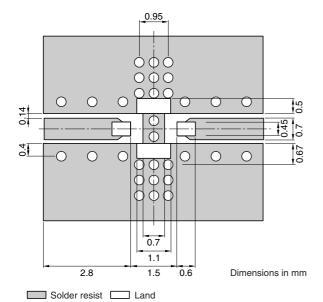
Conformity to RoHS Directive

DEA Series DEA205787BT-2048C1

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERNS



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

[•] 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.

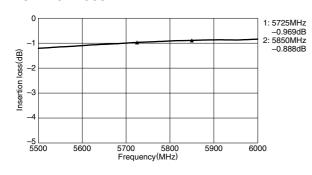
[•] All specifications are subject to change without notice.

ELECTRICAL CHARACTERISTICS

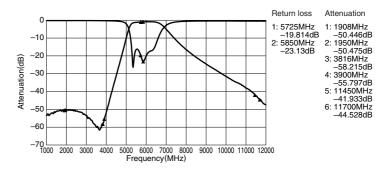
Item			Minimum value	Typical value	Maximum value
Center frequency	[5787.5MHz]				
Insertion loss	[5725 to 5850MHz]	(dB)	_	_	1.5
VSWR	[5725 to 5850MHz]		_	_	2.0
Attenuation	[1908 to 1950MHz]	(dB)	45	_	_
	[3816 to 3900MHz]	(dB)	45	_	_
	[11450 to 11700MHz]	(dB)	25	_	_
Ripple	[5725 to 5850MHz]	(dB)	_	_	0.6
Temperature range	Operating	(°C)	-40	_	+85
	Storage	(°C)	-40	_	+85

[•] Ta:+25°C

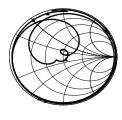
FREQUENCY CHARACTERISTICS INSERTION LOSS



ATTENUATION



SMITH CHARTS





S22