

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[TDK Corporation](#)
[DEA205787BT-2048C1](#)

For any questions, you can email us directly:

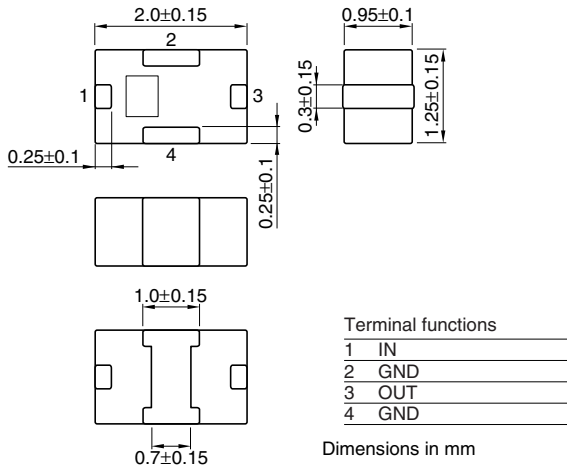
sales@integrated-circuit.com

Multilayer Chip Band Pass Filters For 5.0GHz Digital Cordless

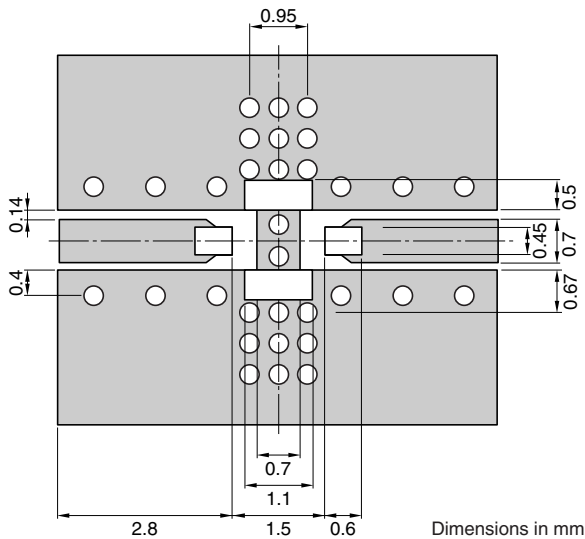
Conformity to RoHS Directive

DEA Series DEA205787BT-2048C1

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERNS



■ Solder resist □ Land

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

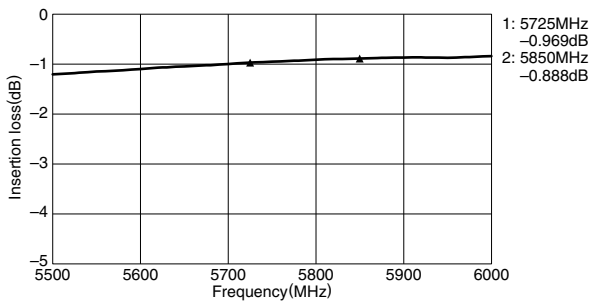
ELECTRICAL CHARACTERISTICS

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

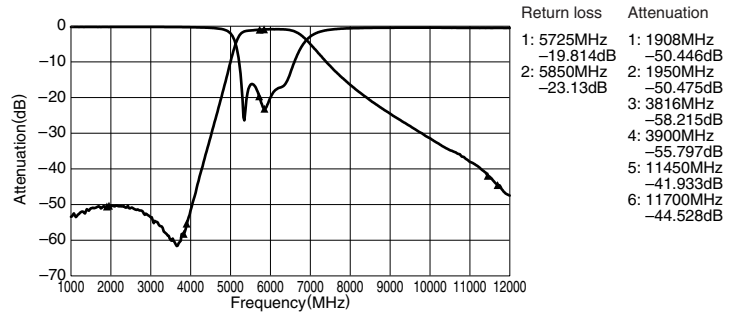
• Ta: +25°C

FREQUENCY CHARACTERISTICS

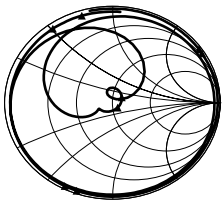
INSERTION LOSS



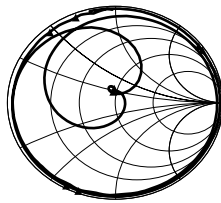
ATTENUATION



SMITH CHARTS



S11



S22