TDK

Jan / 2011 Ver. 2.2

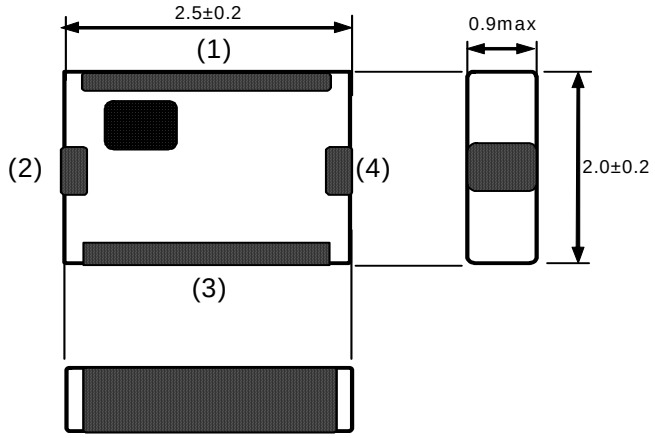
Multilayer Band Pass Filter

P/N: DEA252450BT-2134B1

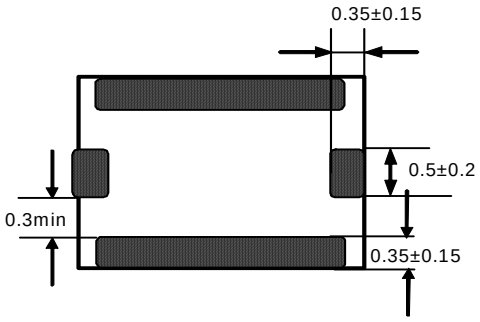
For Bluetooth / W-LAN 2.4GHz

MECHANICAL DIMENSIONS

[Top View]



[Bottom View]



(1) GND
(2) IN
(3) GND
(4) OUT

Unit: mm

ELECTRICAL CHARACTERISTICS

At 25 degeeC

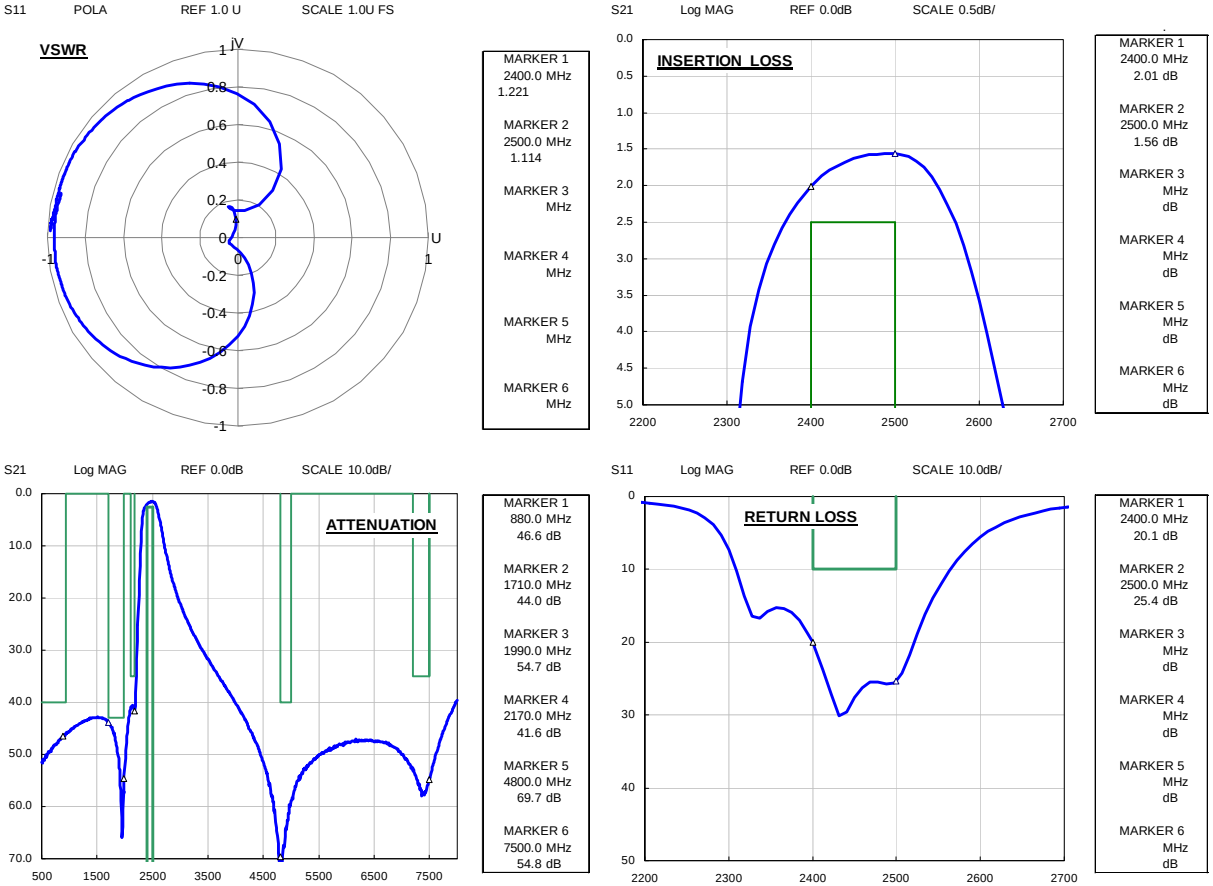
Parameter		Specification			Unit
		Min.	typ	Max.	
Frequency Range (Pass Band)		2400	-	2500	MHz
Insertion Loss	+25 degree C	-	2.0	2.5	dB
	-40 ~ +85 degree C	-	-	-	dB
Single ended port characteristic impedance		50 (Nominal)			ohm
Attenuation	824 - 849 MHz	42	47	-	dB
	869 - 894 MHz	42	45	-	dB
	894 - 915 MHz	42	45	-	dB
	925 - 960 MHz	42	45	-	dB
	1570 - 1580MHz	40	43	-	dB
	1710 - 1785MHz	43	44	-	dB
	1805 - 1850MHz	41	46	-	dB
	1850 - 1910MHz	41	48	-	dB
	1920 - 1990MHz	40	50	-	dB
	2110 - 2170MHz	35	40	-	dB
	4800 - 5000MHz	40	60	-	dB
	7200 - 7500MHz	35	46	-	dB

Note: All specifications are subject to change and are not guaranteed.

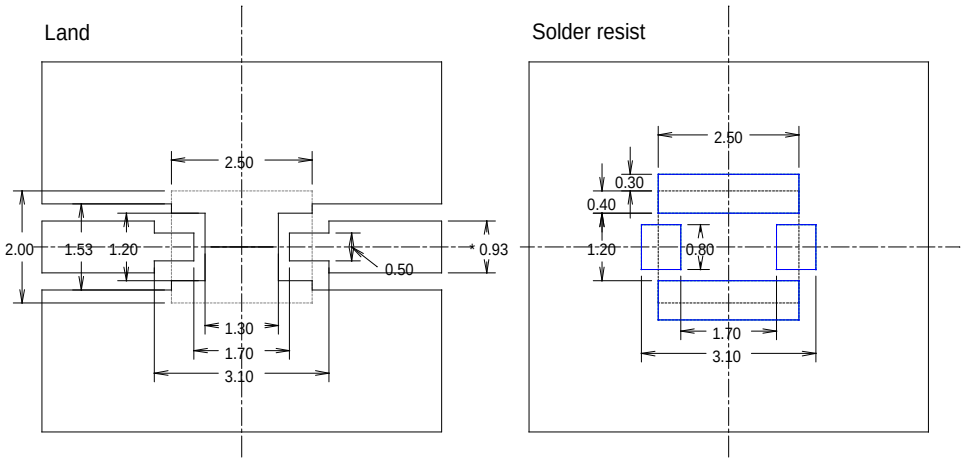
TEMPERATURE RANGE

Storage Temperature	-40 ~ +85 °C
Operating Temperature	-40 ~ +85 °C

Measurement DATA



RECOMMENDED PCB PATTERN



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

(Unit:mm)

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Mouser Electronics

Authorized Distributor

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