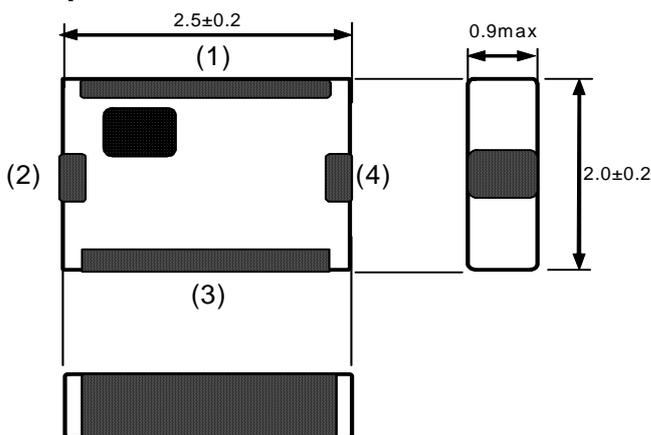


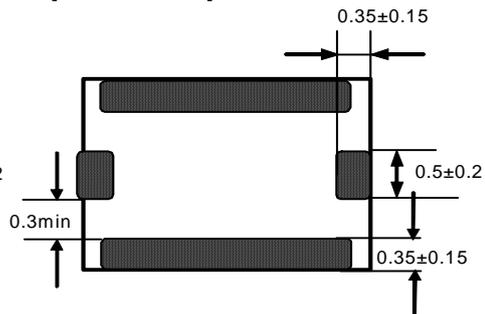
Multilayer Band Pass Filter
P/N: **DEA252450BT-2134B1**
For Bluetooth / W-LAN 2.4GHz

MECHANICAL DIMENSIONS

[Top View]



[Bottom View]



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

Unit: mm

ELECTRICAL CHARACTERISTICS

At 25 degreeC

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	

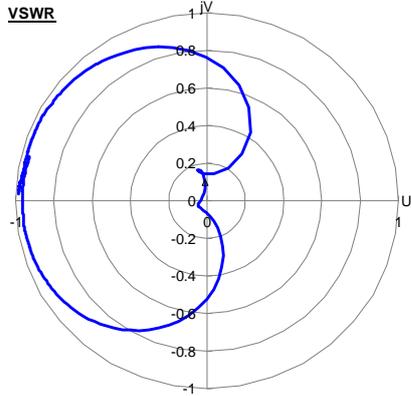
Note: All specifications are subject to change and are not guaranteed.

TEMPERATURE RANGE

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

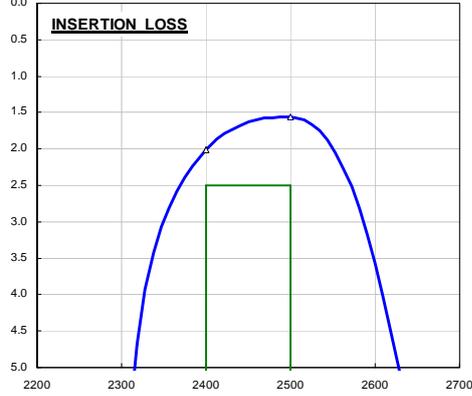
Measurement DATA

S11 POLA REF 1.0 U SCALE 1.0U FS



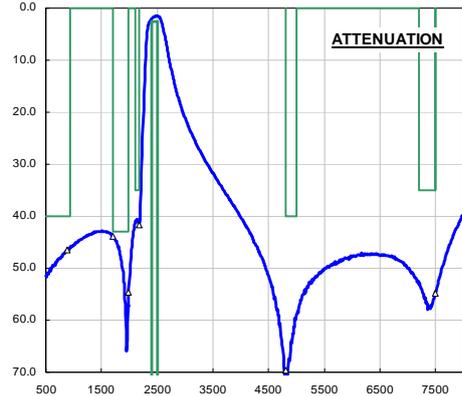
S21 Log MAG REF 0.0dB SCALE 0.5dB/

MARKER 1	2400.0 MHz	1.221
MARKER 2	2500.0 MHz	1.114
MARKER 3	MHz	
MARKER 4	MHz	
MARKER 5	MHz	
MARKER 6	MHz	



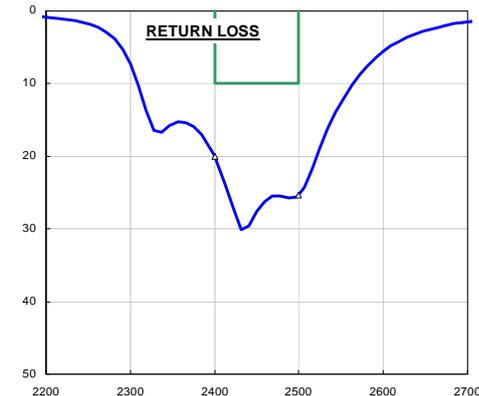
MARKER 1	2400.0 MHz	2.01 dB
MARKER 2	2500.0 MHz	1.56 dB
MARKER 3	MHz	dB
MARKER 4	MHz	dB
MARKER 5	MHz	dB
MARKER 6	MHz	dB

S21 Log MAG REF 0.0dB SCALE 10.0dB/



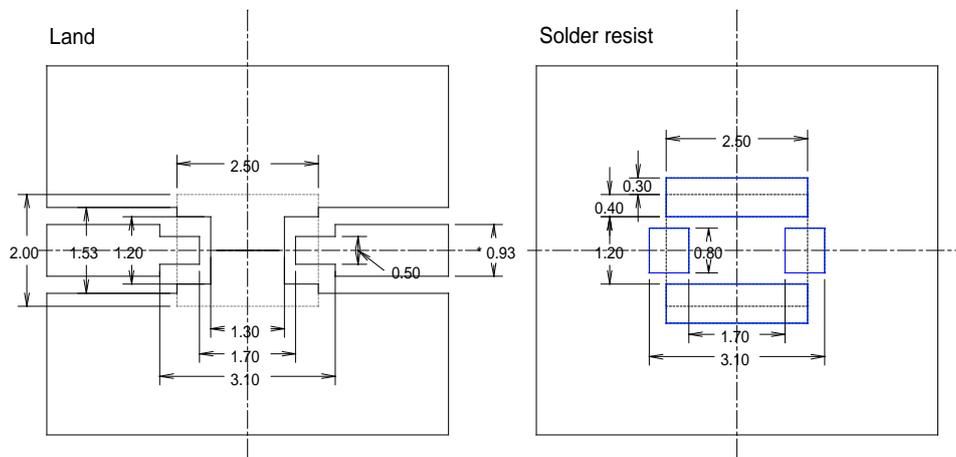
MARKER 1	880.0 MHz	46.6 dB
MARKER 2	1710.0 MHz	44.0 dB
MARKER 3	1990.0 MHz	54.7 dB
MARKER 4	2170.0 MHz	41.6 dB
MARKER 5	4800.0 MHz	69.7 dB
MARKER 6	7500.0 MHz	54.8 dB

S11 Log MAG REF 0.0dB SCALE 10.0dB/



MARKER 1	2400.0 MHz	20.1 dB
MARKER 2	2500.0 MHz	25.4 dB
MARKER 3	MHz	dB
MARKER 4	MHz	dB
MARKER 5	MHz	dB
MARKER 6	MHz	dB

RECOMMENDED PCB PATTERN



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

(Unit:mm)

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

Mouser Electronics

Authorized Distributor

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