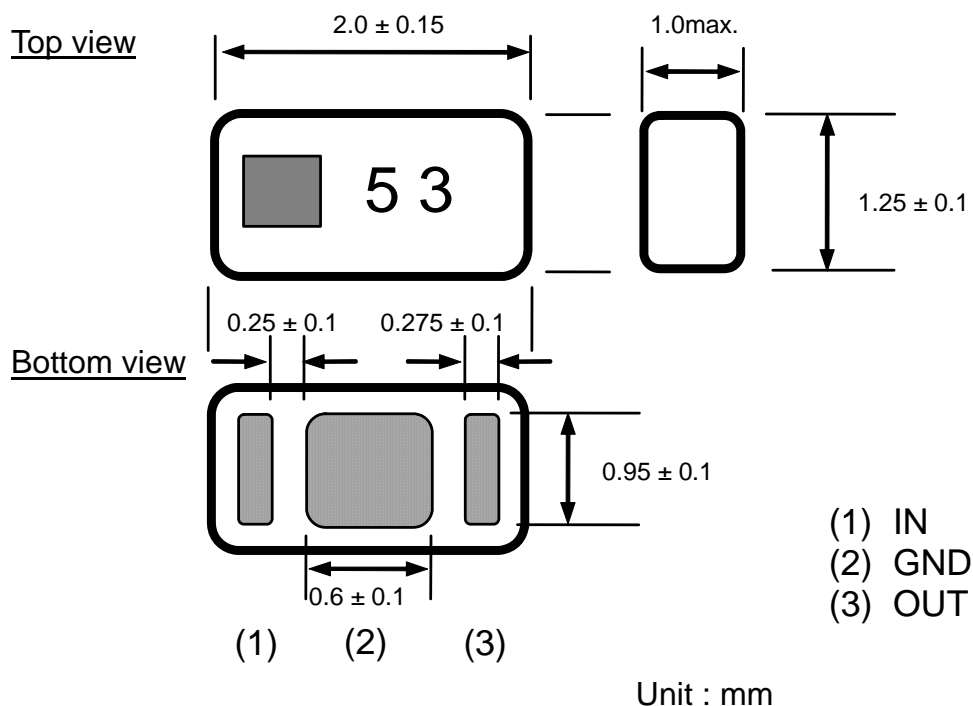


MULTILAYER BAND PASS FILTER

P/N: **DEA202450BT-2175A1-H** For 2.4GHz W-LAN, BT

MECHANICAL DIMENSIONS

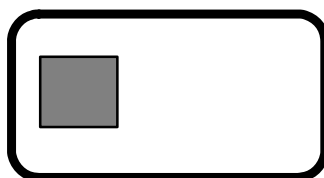


Note1: When the shield comes to the upper side of the product, this product might be influenced.

Note2: These samples are marked with trial sample mark such as 52.

In mass production, TDK-EPC will change the mark as shown in figure below.

Top view



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

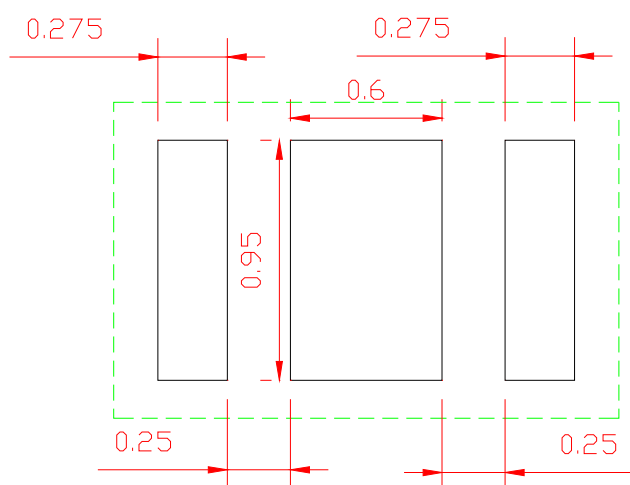
FREQUENCY CHARACTERISTICS

At 25 degreeC

Parameter	Specification		Unit	
	Min.	Max.		
Frequency Range (Pass Band)	2400	2500	MHz	
Insertion Loss	+25 degree C			
	-	2.0	dB	
Single ended port characteristic impedance	50 (Nominal)		ohm	
Attenuation	860 - 960MHz	39	-	dB
	1545 - 1605MHz	35	-	dB
	1710 - 1990MHz	34	-	dB
	2170MHz	28	-	dB
	4800 - 5000MHz	30	-	dB

Test condition : Refer to TDK's reference board

Land Pattern

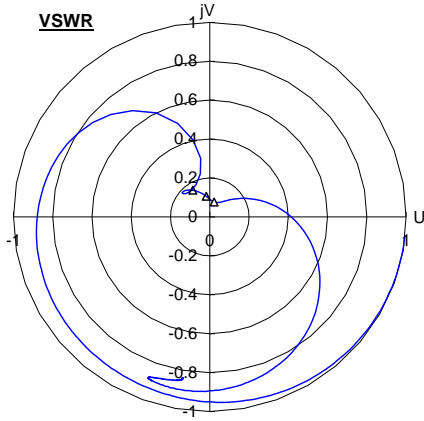


*Note: All specifications are subject to change and are not guaranteed.

FREQUENCY CHARACTERISTICS (Measurement data)

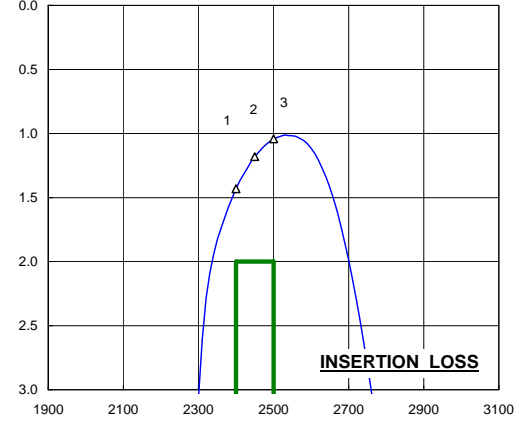
TDK evaluation board

S11 POLA REF 1.0 U SCALE 1.0U FS



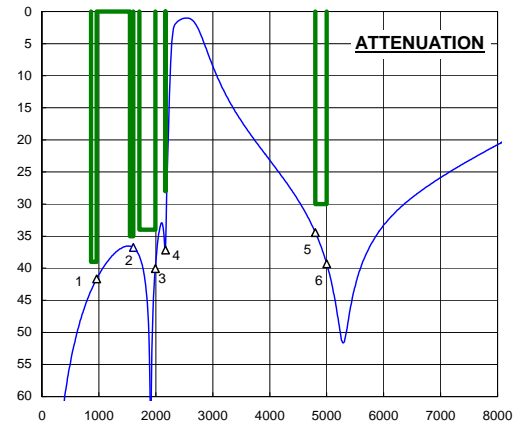
S21 Log MAG REF 0.0dB SCALE 0.5dB/

MARKER 1	2400 MHz	1.39
MARKER 2	2450 MHz	1.24
MARKER 3	2500 MHz	1.17
MARKER 4	MHz	
MARKER 5	MHz	
MARKER 6	MHz	



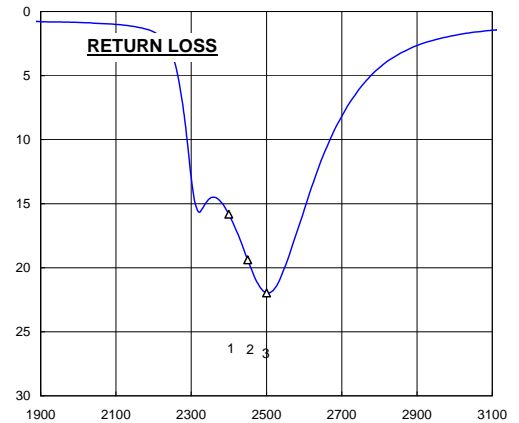
MARKER 1	2400 MHz	1.43 dB
MARKER 2	2450 MHz	1.18 dB
MARKER 3	2500 MHz	1.04 dB
MARKER 4	MHz	dB
MARKER 5	MHz	dB
MARKER 6	MHz	dB

S21 Log MAG REF 0.0dB SCALE 5.0dB/



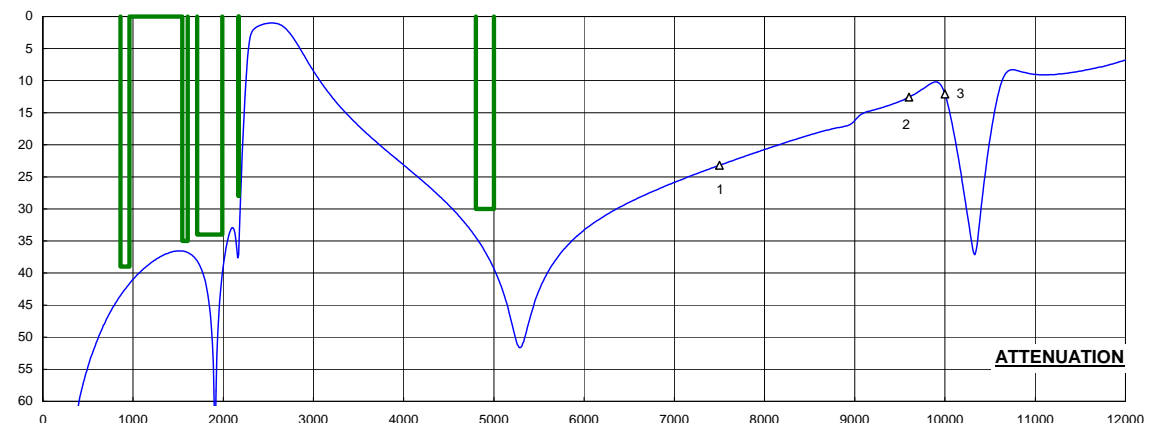
MARKER 1	960 MHz	41.7 dB
MARKER 2	1605 MHz	36.8 dB
MARKER 3	1990 MHz	40.0 dB
MARKER 4	2170 MHz	37.2 dB
MARKER 5	4800 MHz	34.4 dB
MARKER 6	5000 MHz	39.3 dB

S11 Log MAG REF 0.0dB SCALE 5.0dB/



MARKER 1	2400 MHz	15.3 dB
MARKER 2	2450 MHz	18.3 dB
MARKER 3	2500 MHz	20.9 dB
MARKER 4	MHz	dB
MARKER 5	MHz	dB
MARKER 6	MHz	dB

S21 Log MAG REF 0.0dB SCALE 5.0dB/



MARKER 1	7500 MHz	23.2 dB
MARKER 2	9600 MHz	12.6 dB
MARKER 3	10000 MHz	12.1 dB
MARKER 4	MHz	dB
MARKER 5	MHz	dB
MARKER 6	MHz	dB

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