



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

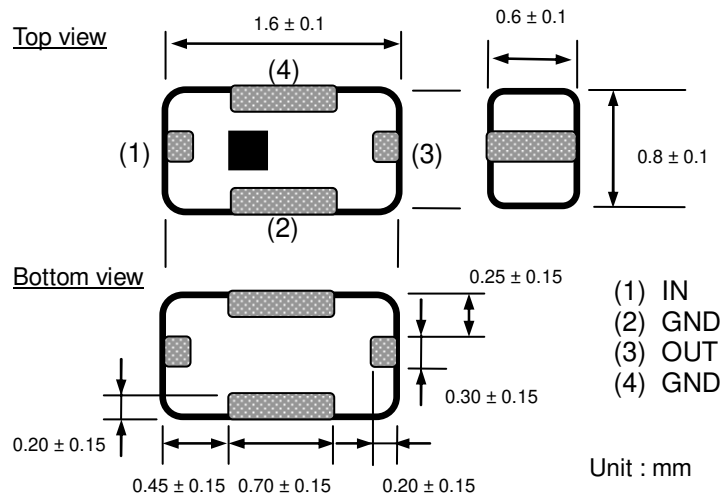


Multilayer Band Pass Filter

P/N: **DEA162450BT-1260B3**

For Bluetooth / W-LAN 2.4GHz

MECHANICAL DIMENSIONS



ELECTRICAL CHARACTERISTICS (Ta=+25°C)

Parameter		Specification	Typical Value	Unit
Frequency Range (Pass Band)		2400-2500	–	MHz
Characteristics Impedance (Pass Band)		50 (Nominal)	–	ohm
Insertion Loss (Pass Band)	+25 °C	2.2 max	1.7	dB
VSWR (Pass Band)		2.1 max	1.4	
Attenuation	DC – 746 MHz	20 min	28	dB
	746 – 764 MHz	22 min	30	dB
	776 – 794 MHz	22 min	31	dB
	824 – 849 MHz	24 min	32	dB
	869 – 894 MHz	24 min	33	dB
	894 – 915 MHz	24 min	33	dB
	925 – 960 MHz	25 min	34	dB
	1570 – 1580 MHz	15 min	28	dB
	1710 – 1785 MHz	10 min	21	dB
	1805 – 1850 MHz	10 min	19	dB
	1850 – 1910 MHz	8 min	17	dB
	1920 – 1980 MHz	6 min	15	dB
	2110 – 2170 MHz	3 min	8	dB
	4000 – 4800 MHz	21 min	31	dB
	4800 – 5000 MHz	28 min	33	dB
	5000 – 7200 MHz	21 min	34	dB
7200 – 7500 MHz	25 min	40	dB	
7500 – 8000 MHz	21 min	41	dB	
9600 – 12415 MHz	6 min	22	dB	

TEMPERATURE RANGE

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

FREQUENCY RESPONSE

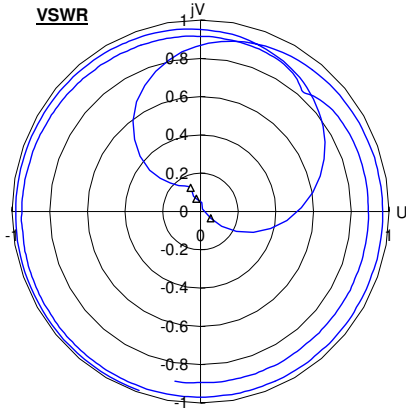
DEA162450BT-1260B3

Bluetooth / W-LAN 2.45GHz 1608BPF

22/Jun/2007

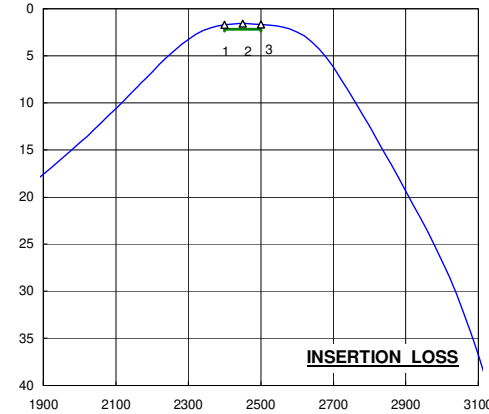
TDK Corporation

S11 POLA REF 1.0 U SCALE 1.0U FS



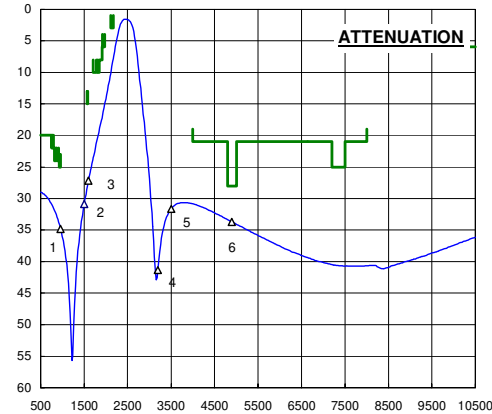
S21 Log MAG REF 0.0dB SCALE 5.0dB/

MARKER 1	2400 MHz	1.14
MARKER 2	2450 MHz	1.15
MARKER 3	2500 MHz	1.31
MARKER 4	MHz	
MARKER 5	MHz	
MARKER 6	MHz	



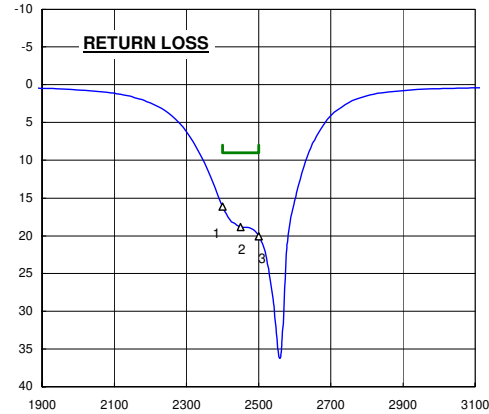
MARKER 1	2400 MHz	1.69 dB
MARKER 2	2450 MHz	1.58 dB
MARKER 3	2500 MHz	1.66 dB
MARKER 4	MHz	dB
MARKER 5	MHz	dB
MARKER 6	MHz	dB

S12 Log MAG REF 0.0dB SCALE 5.0dB/



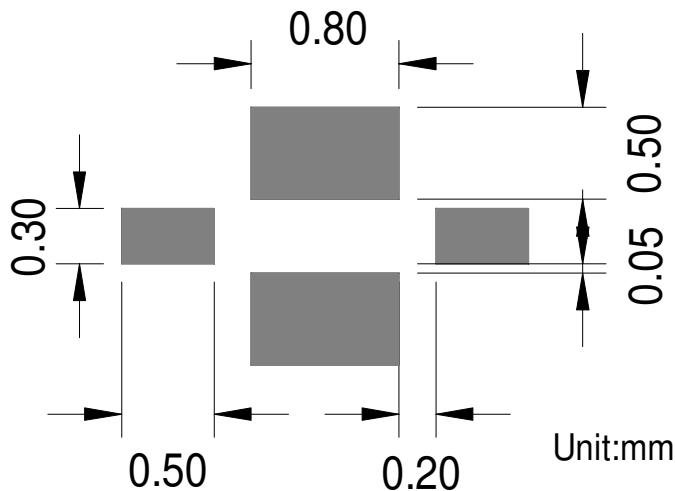
MARKER 1	960 MHz	34.8 dB
MARKER 2	1500 MHz	30.9 dB
MARKER 3	1600 MHz	27.2 dB
MARKER 4	3200 MHz	41.4 dB
MARKER 5	3500 MHz	31.7 dB
MARKER 6	4900 MHz	33.7 dB

S22 Log MAG REF 0.0dB SCALE 5.0dB/



MARKER 1	2400 MHz	16.1 dB
MARKER 2	2450 MHz	18.8 dB
MARKER 3	2500 MHz	20.1 dB
MARKER 4	MHz	dB
MARKER 5	MHz	dB
MARKER 6	MHz	dB

RECOMMENDED PCB PATTERN



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