

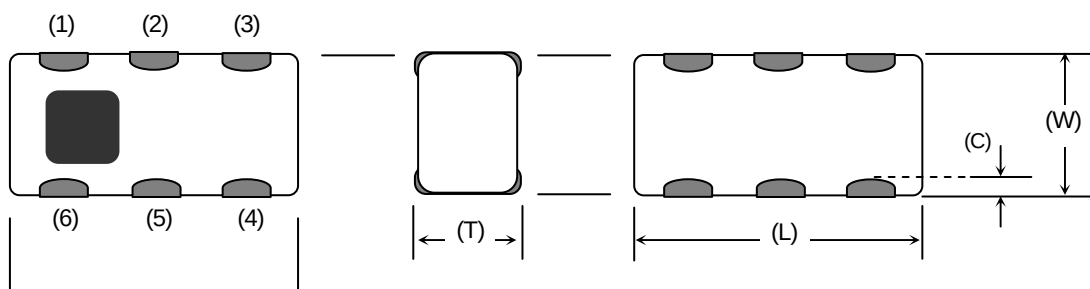
1608 TYPE MULTILAYER Low Pass Filter

P/N: **DEA160787LT-5032A1**

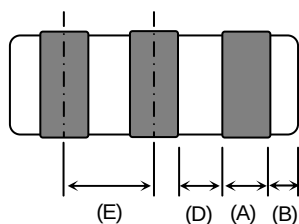
MECHANICAL DIMENSIONS

[Top View]

[Bottom View]



[Side View]



Dimension (mm)

(L)	(W)	(T)	(A)	(B)	(C)	(D)	(E)
1.60 +/-0.10	0.80 +/-0.10	0.60 +/-0.10	0.30 +/-0.10	0.10 +/-0.10	0.15 +/-0.10	0.25 +/-0.10	0.50 +0.10 /-0.05

PIN Configuration

(1)	(2)	(3)	(4)	(5)	(6)
IN	GND	OUT	GND	NC	GND

TEMPERATURE RANGE

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

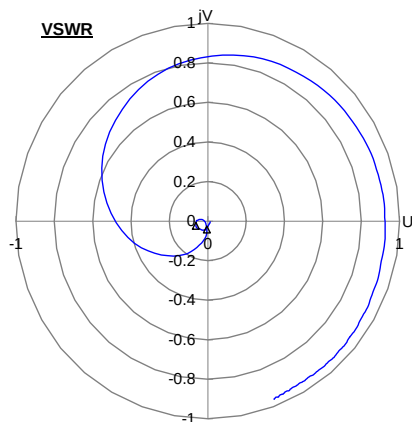
ELECTRICAL CHARACTERISTICS (Ta= +25 ± 5 °C)

No.	Parameter	Freq. (MHz)	Specification	Typical Value	Unit
1	Center Frequency	628.50	-	-	-
2	Insertion Loss	470-787	0.65 max.	0.46	dB
3	Insertion Loss (-40 ~ +85 deg.C)	470-787	0.71 max.	-	dB
4	VSWR	470-787	1.5 max.	1.14	-
5	Attenuation	1429-1501	26 min.	39.7	dB
6		1565-1570	30 min.	46.5	dB
7		1570-1580	35 min.	46.8	dB
8		1580-1607	30 min.	46.9	dB
9		1920-1980	20 min.	32.4	dB
10	Power	-	3.0 max	-	W

FREQUENCY CHARACTERISTICS

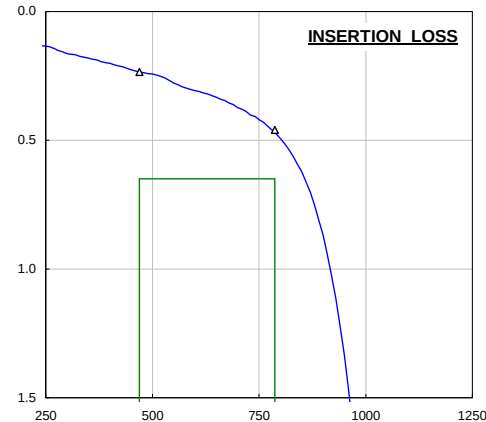
DEA160787LT-5032A1 Sample Data

S11 POLA REF 1.0 U SCALE 1.0U FS



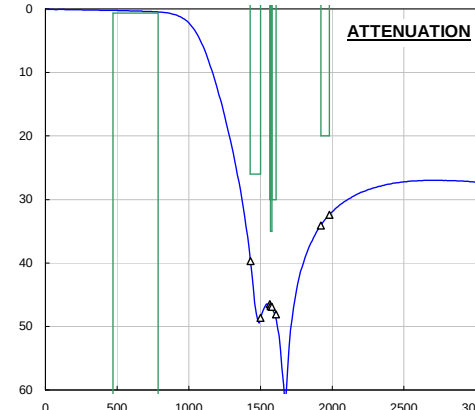
MARKER 1	470.0 MHz	1.14
MARKER 2	787.0 MHz	1.09

S21 Log MAG REF 0.0dB SCALE 0.5dB/



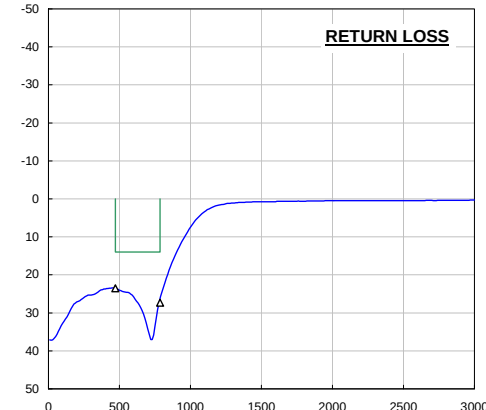
MARKER 1	470.0 MHz	0.23 dB
MARKER 2	787.0 MHz	0.46 dB

S21 Log MAG REF 0.0dB SCALE 10.0dB/



MARKER 1	1429.0 MHz	39.7 dB
MARKER 2	1501.0 MHz	48.6 dB
MARKER 3	1565.0 MHz	46.5 dB
MARKER 4	1570.0 MHz	46.8 dB
MARKER 5	1580.0 MHz	46.9 dB
MARKER 6	1607.0 MHz	48.1 dB
MARKER 7	1920.0 MHz	34.1 dB
MARKER 8	1980.0 MHz	32.4 dB

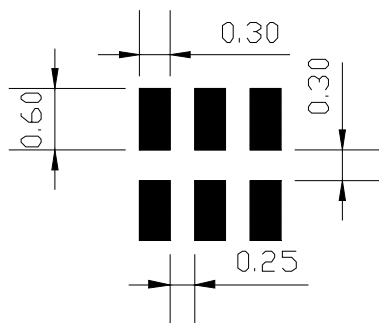
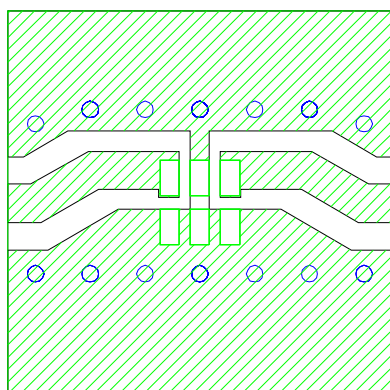
S11 Log MAG REF 0.0dB SCALE 10.0dB/



MARKER 1	470.0 MHz	23.5 dB
MARKER 2	787.0 MHz	27.3 dB

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

RECOMMENDED PCB PATTERN



unit : mm

■ Land

Note:

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