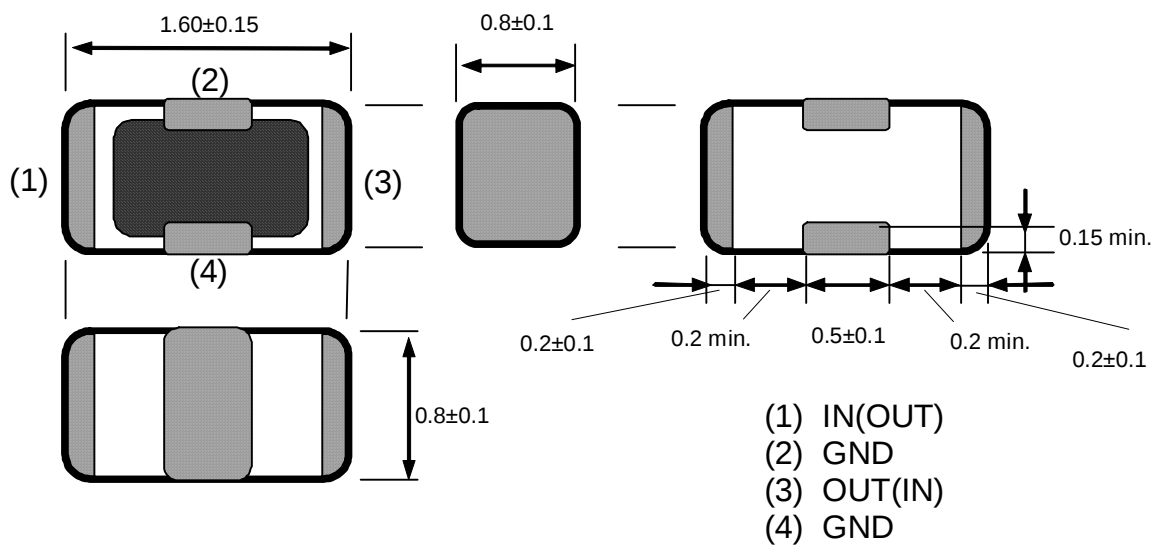


MULTILAYER LOW PASS FILTER

P/N: **DEA161990LT-1182A8**

For GSM / WCDMA / LTE

MECHANICAL DIMENSIONS



Unit : mm

ELECTRICAL CHARACTERISTICS (Ta=+25+/-5 °C)

PARAMETER	FREQ (MHz)	SPECIFICATION	UNIT
Insertion Loss at +25°C	1710-1990	0.50 max.	dB
Insertion Loss at -40~+85°C	1710-1990	0.60 max.	dB
Return Loss	1710-1990	10 min.	dB
Attenuation	3420-3980	30.5 min.	dB
	5130-5970	28.5 min.	dB
	5970-12500	25 min.	dB

TEMPERATURE RANGE

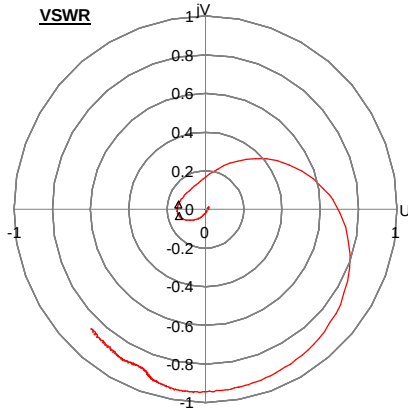
Storage Temperature	-40 ~ +85 °C
Operating Temperature	-40 ~ +85 °C

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

FREQUENCY CHARACTERISTICS

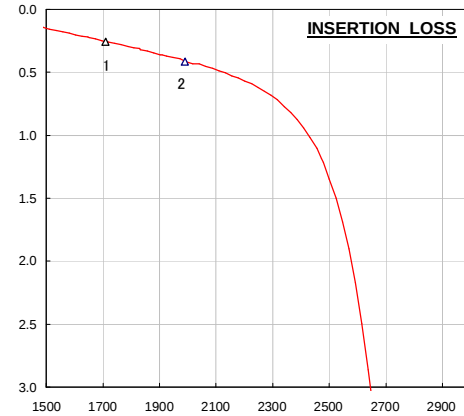
DEA161990LT-1182A8

S11 POLA REF 1.0 U SCALE 1.0U FS



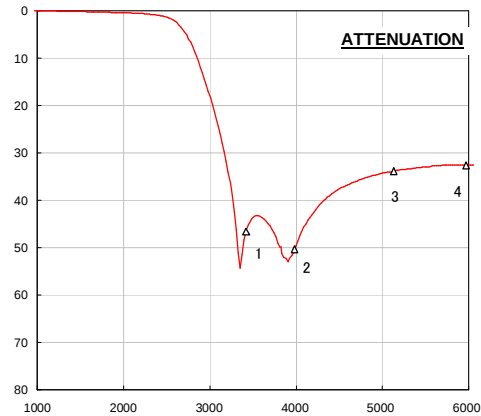
MARKER 1
1710.0 MHz
1.33
MARKER 2
1990.0 MHz
1.33
MARKER 3
MHz
MARKER 4
MHz
MARKER 5
MHz
MARKER 6
MHz

S21 Log MAG REF 0.0dB SCALE 0.5dB/



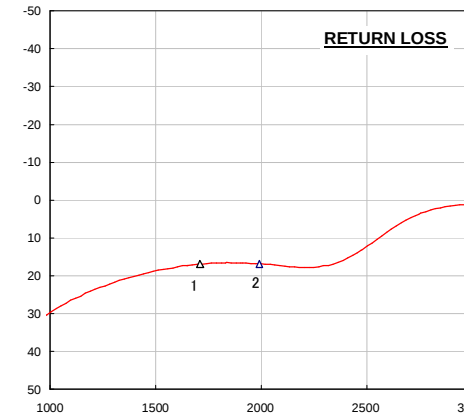
MARKER 1
1710.0 MHz
0.26 dB
MARKER 2
1990.0 MHz
0.41 dB
MARKER 3
MHz
MARKER 4
MHz
MARKER 5
MHz
MARKER 6
MHz

S21 Log MAG REF 0.0dB SCALE 10.0dB/



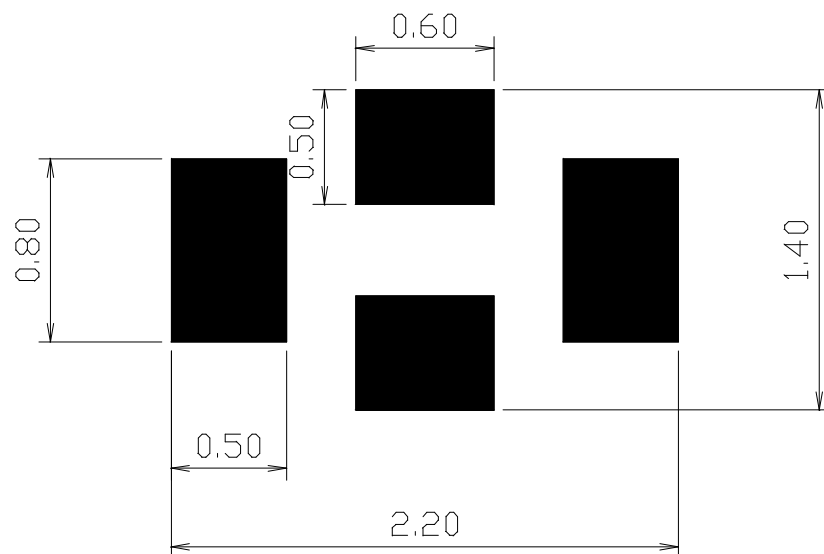
MARKER 1
3420.0 MHz
46.6 dB
MARKER 2
3980.0 MHz
50.3 dB
MARKER 3
5130.0 MHz
33.8 dB
MARKER 4
5970.0 MHz
32.6 dB
MARKER 5
MHz
MARKER 6
MHz
MARKER 7
MHz
MARKER 8
MHz

S11 Log MAG REF 0.0dB SCALE 10.0dB/



MARKER 1
1710.0 MHz
17.0 dB
MARKER 2
1990.0 MHz
16.9 dB
MARKER 3
MHz
MARKER 4
MHz
MARKER 5
MHz
MARKER 6
MHz

EVALUATION PCB PATTERN



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

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

Mouser Electronics

Authorized Distributor

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TDK:

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