

Multilayer Low Pass Filters

For GSM/WCDMA/LTE/Smart Meter

DEA Series

Type: **DEA160960LT-1169AA (1.6×0.8×0.8mm)**

Issue date: January 2013

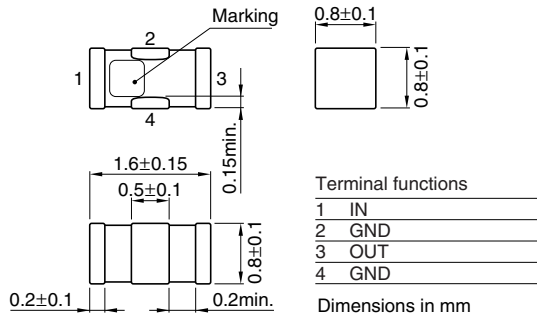
- All specifications are subject to change without notice.
- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

Multilayer Chip Low Pass Filters For GSM/WCDMA/LTE/Smart Meter

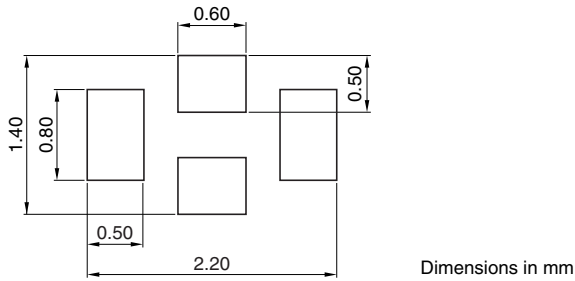
Conformity to RoHS Directive

DEA Series DEA160960LT-1169AA

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERNS



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

ELECTRICAL CHARACTERISTICS

Item			Minimum value	Typical value	Maximum value
Insertion loss	[824 to 915MHz]	(dB)	—	—	0.40
	[915 to 960MHz]	(dB)	—	—	0.73
Return loss	[824 to 960MHz]	(dB)	10	—	—
	[1648 to 1760MHz]	(dB)	20	—	—
Attenuation	[1760 to 1920MHz]	(dB)	31	—	—
	[2472 to 2880MHz]	(dB)	25	—	—
Temperature range	Operating	(°C)	−40	—	+85
	Storage	(°C)	−40	—	+85

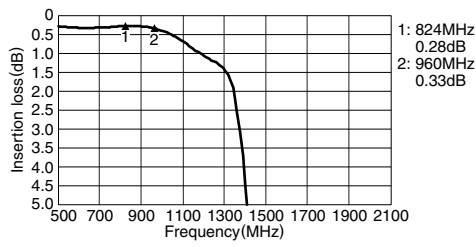
• Ta: 25±5°C

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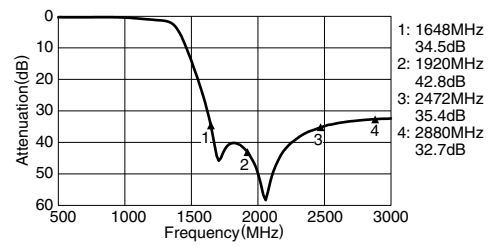
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FREQUENCY CHARACTERISTICS

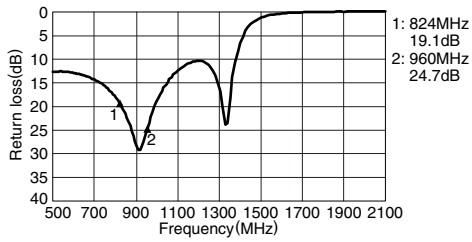
INSERTION LOSS



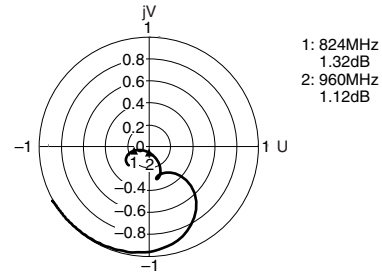
ATTENUATION



RETURN LOSS



VSWR



S21 GROUP DELAY

