

Multilayer Power Inductor

CIG32W Series (3225/ EIA 1210)



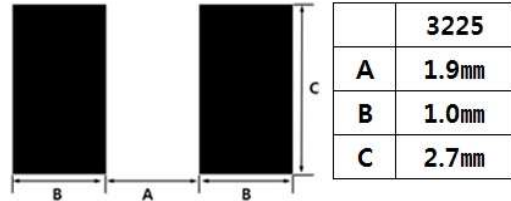
APPLICATION

Mobile phones, DSC, DVC, PDA etc. for DC-DC Converter

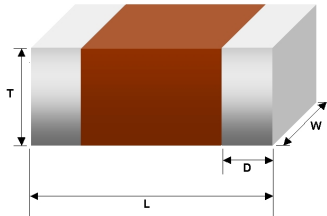
FEATURES

- High Current Type
- Low DC resistance
- Magnetically shielded structure
- Free of all RoHS-regulated substances
- Monolithic structure for high reliability

RECOMMENDED LAND PATTERN



DIMENSION



TYPE	Dimension [mm]			
	L	W	T	D
32	3.2±0.2	2.5±0.2	0.9±0.1	0.5±0.3

DESCRIPTION

Part no.	Size (inch/mm)	Inductance (uH)@1MHz	DC Resistance(Ω)	Rated Current (A) ^{*1} Typ.	Rated Current (A) ^{*2}	
					Max.	Typ.
CIG32W1R0MNE	1210/3225	1.0±20%	0.06±25 %	2.7	1.5	2.0

※Rated Current (A)^{*1}: DC current value when Inductance drops to 30% of nominal Inductance value (ONLY REFERENCE)

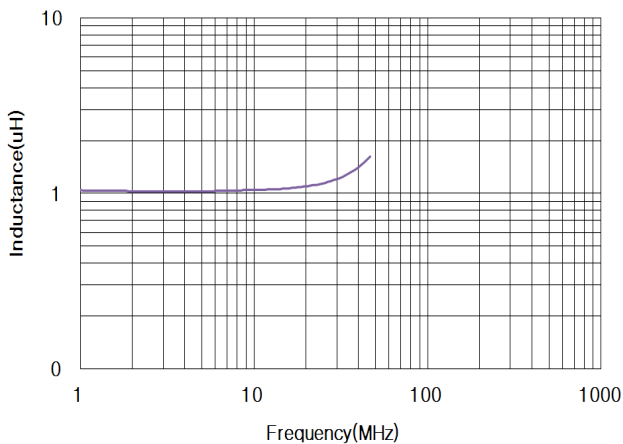
※Rated Current (A)^{*2}: DC current value when the self-generation of heat rises to 40°C (Reference ambient temperature:25°C)

※Operating temperature range: -40 to +125°C (Including self-temperature rise)

※Test equipment: Agilent :E4991A+16092A

CHARACTERISTIC DATA

1) Frequency characteristics (Typ.)



2) DC Bias characteristics (Typ.)

