

Multilayer Power Inductor

CIG22L Series (2520/ EIA 1008)

APPLICATION

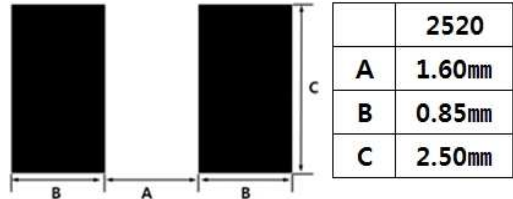
Mobile phones, DSC, DVC, PDA etc. for DC-DC Converter

FEATURES

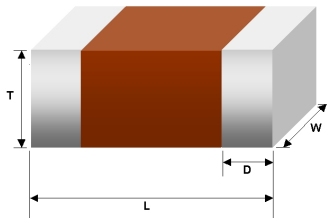
- Low DC resistance
- Magnetically shielded structure
- Free of all RoHS-regulated substances
- Monolithic structure for high reliability



RECOMMENDED LAND PATTERN



DIMENSION



TYPE	Dimension [mm]			
	L	W	T	D
22	2.5±0.2	2.0±0.2	0.9±0.1	0.55±0.25

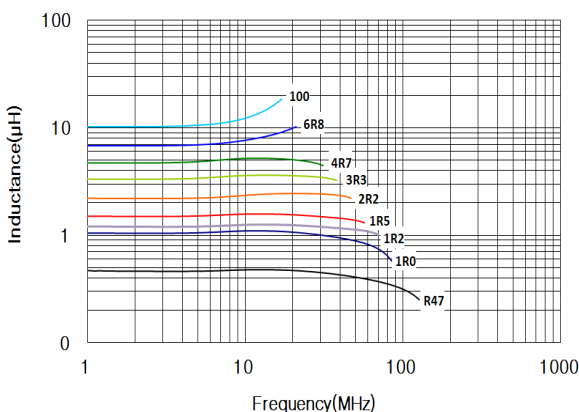
DESCRIPTION

Part no.	Size (inch/mm)	Inductance (uH)@1MHz	DC Resistance(Ω)	Rated Current (A) Max.
CIG22LR47MNE	1008/2520	0.47 ±20 %	0.040 ±25 %	1.80
CIG22L1R0MNE	1008/2520	1.0 ±20 %	0.060 ±25 %	1.60
CIG22L1R2MNE	1008/2520	1.2 ±20 %	0.065 ±25 %	1.50
CIG22L1R5MNE	1008/2520	1.5 ±20 %	0.070 ±25 %	1.50
CIG22L2R2MNE	1008/2520	2.2 ±20 %	0.080 ±25 %	1.30
CIG22L3R3MNE	1008/2520	3.3 ±20 %	0.100 ±25 %	1.20
CIG22L4R7MNE	1008/2520	4.7 ±20 %	0.110 ±25 %	1.10
CIG22L6R8MNE	1008/2520	6.8 ±20 %	0.203 ±30 %	0.80
CIG22L100MNE	1008/2520	10.0 ±20 %	0.323 ±30 %	0.60

※ Rated Current (A): DC current value when the self-generation of heat rises to 40℃ (Reference ambient temperature:25℃)
 ※ Operating temperature range: -40 to +125℃ (Including self-temperature rise)
 ※ Test equipment: Agilent :E4991A+16092A

CHARACTERISTIC DATA

1) Frequency characteristics (Typ.)



2) DC Bias characteristics (Typ.)

