

Multilayer Power Inductor

CIG22B Series (2520/ EIA 1008)



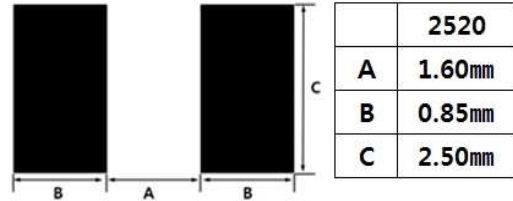
APPLICATION

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

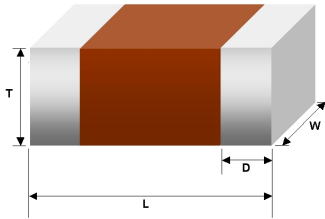
FEATURES

- Excellent efficiency (High Q)
- High Current
- 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) ^{*1}	
				Typ.	Max.
CIG22BR27MNE	1008/2520	0.27 ±20 %	0.047±30 %	2.80	1.80
CIG22BR33MNE	1008/2520	0.33 ±20 %	0.047±30 %	2.40	1.70
CIG22BR47MNE	1008/2520	0.47 ±20 %	0.0655±30 %	2.40	1.60
CIG22BR56MNE	1008/2520	0.56 ±20 %	0.090±30 %	2.70	1.30
CIG22B1R0MNE	1008/2520	1.0 ±20 %	0.125±20 %	2.00	1.20
CIG22B1R5MNE	1008/2520	1.5 ±20 %	0.148±20 %	1.70	1.15
CIG22B2R2MNE	1008/2520	2.2 ±20 %	0.183±20 %	1.20	1.10
CIG22B3R3MNE	1008/2520	3.3 ±20 %	0.216±20 %	0.96	1.05
CIG22B4R7MNE	1008/2520	4.7 ±20 %	0.250±20 %	0.65	1.00

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

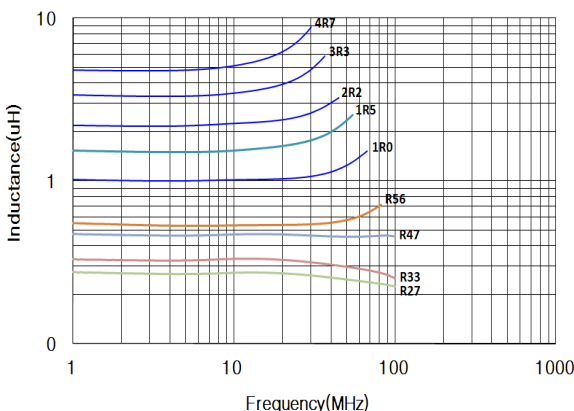
※Rated Current (A)^{*2}: DC current value when the self-generation of heat rises to 40℃ (Reference ambient temperature:25℃)

※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.)

