

# Multilayer Power Inductor

## CIG10F Series (1608/ EIA 0603)

### APPLICATION

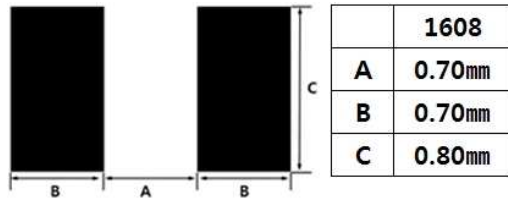
Mobile phones, DSC, DVC, PDA etc. for DC-DC Converter

### FEATURES

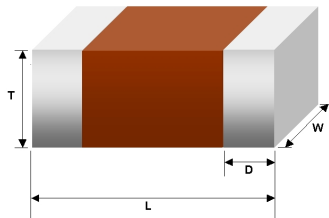
- The smallest multilayer power inductor (1.6mm×0.8mm)
- Much lower Profile than any other series (0.5mm max)
- Low DC resistance
- Magnetically shielded structure
- Free of all RoHS-regulated substances
- Monolithic structure for high reliability



### RECOMMENDED LAND PATTERN



### DIMENSION



TYPE	Dimension [mm]			
	L	W	T	D
10	1.6±0.15	0.8±0.15	0.5 max.	0.3±0.2

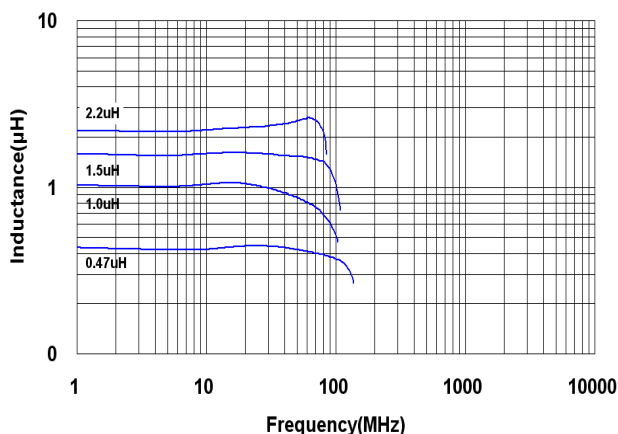
### DESCRIPTION

Part no.	Size (inch/mm)	Inductance (uH)@1MHz	DC Resistance(Ω)	Rated Current (A) Max.
CIG10FR47MNC	0603/1608	0.47±20%	0.20±30 %	0.80
CIG10F1R0MNC	0603/1608	1.0±20%	0.30±30 %	0.70
CIG10F1R5MNC	0603/1608	1.5±20%	0.35±30 %	0.60
CIG10F2R2MNC	0603/1608	2.2±20%	0.45±30 %	0.50

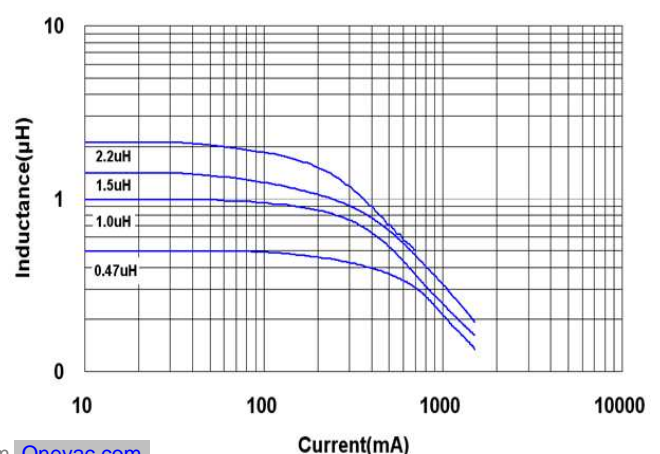
※Rated Current: DC current value when the self-generation of heat rises to 40℃ (Reference ambient temperature:25℃)  
 ※Operating temperature range: -40 to +125℃ (Including self-temperature rise)  
 ※Test equipment: Agilent :E4991A+16092A

### CHARACTERISTIC DATA

1) Frequency characteristics (Typ.)



2) DC Bias characteristics (Typ.)





单击下面可查看定价，库存，交付和生命周期等信息

[>>Samsung Electro-Mechanics\(三星电机\)](#)