

# SMD Inductors(Coils) For Power Line(Wound, Magnetic Shielded)

**Conformity to RoHS Directive** 

# GLF Series GLF2012

#### **FEATURES**

- It delivers low Rdc with high Idc.
- It is lead-free compatible.

The product contains no lead whatsoever.

It is able to withstand high temperature reflows (260°C during the peak) used in lead-free soldering.

· It's construction supports bulk mounting.

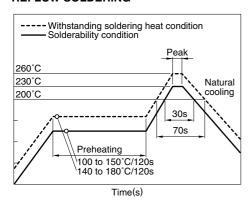
## **APPLICATIONS**

- Portable audio visual devices (DSC, DVD and MD)
- Mobile communication devices (cellular phones, PHS, etc.)

#### **SPECIFICATIONS**

Operating temperature range	–40 to +105°C	
Storage temperature range	-20 to +105°C	

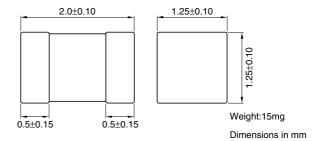
# RECOMMENDED SOLDERING CONDITIONS REFLOW SOLDERING



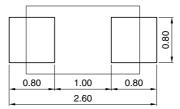
## **PACKAGING STYLE AND QUANTITIES**

Packaging style	Quantity
Taping	2000 pieces/reel

#### **SHAPES AND DIMENSIONS**



#### RECOMMENDED PC BOARD PATTERN

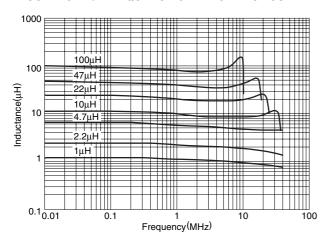


Dimensions in mm

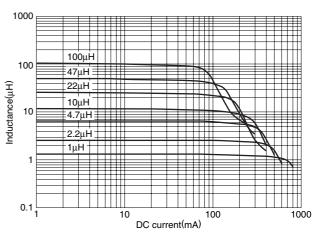
## **ELECTRICAL CHARACTERISTICS**

Part No.	Inductance (µH)	Inductance	DC	Rated
		tolerance	resistance	current
		(%)	(Ω)±30%	(mA)max.
GLF2012T1R0M	1.0	±20	0.07	400
GLF2012T2R2M	2.2	±20	0.10	300
GLF2012T4R7M	4.7	±20	0.24	200
GLF2012T100K	10.0	±10	0.36	140
GLF2012T220K	22.0	±10	1.00	100
GLF2012T470K	47.0	±10	1.70	75
GLF2012T101K	100.0	±10	4.00	50

# TYPICAL ELECTRICAL CHARACTERISTICS INDUCTANCE vs. FREQUENCY CHARACTERISTICS



#### **INDUCTANCE vs. DC SUPERPOSITION CHARACTERISTICS**



- 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.
- All specifications are subject to change without notice.