



THE DATASHEET OF GLF1608T1R0M

SMD Inductors(Coils)

For Power Line(Wound, Magnetic Shielded)

Conformity to RoHS Directive

GLF Series GLF1608

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 is a product conforming to RoHS directive.
- It's construction supports bulk mounting.

APPLICATIONS

Perfect coil for step-up and step-down circuits, and decoupling circuits for each set power supply circuit

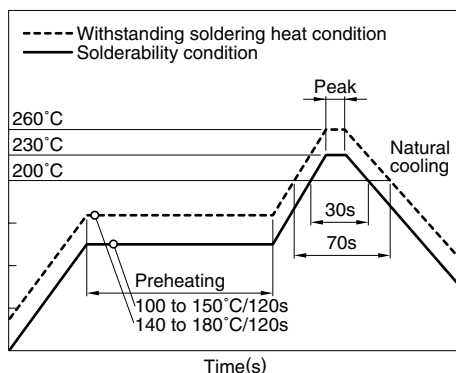
- Portable audio visual devices (DSC, DVC, Audio, etc.)
- Mobile communication devices (cellular phones, LCD panel, etc.)
- Information devices (TVs, DVDs, STBs, PCs, HDDs, etc.)
- Amusement devices (Video games, etc.)

SPECIFICATIONS

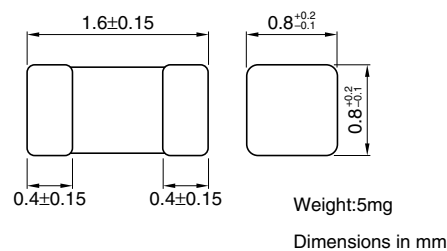
Operating temperature range	-40 to +105°C [Including self-temperature rise]
Storage temperature range	-40 to +105°C

RECOMMENDED SOLDERING CONDITIONS

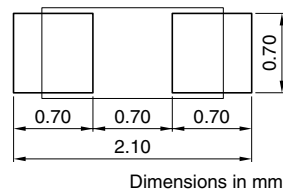
REFLOW SOLDERING



SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERN



PACKAGING STYLE AND QUANTITIES

Packaging style	Quantity
Taping	4000 pieces/reel

ELECTRICAL CHARACTERISTICS

Part No.	Inductance (μH)	Inductance tolerance (%)	DC resistance (Ω)±30%	Rated current*1 (mA)max.	Rated current*2 (mA)max.	Rated current*3 (mA)max.
GLF1608T1R0M	1.0	±20	0.17	125	220	400
GLF1608T2R2M	2.2	±20	0.33	75	160	275
GLF1608T4R7M	4.7	±20	0.55	70	115	220
GLF1608T100M	10.0	±20	0.70	50	90	180
GLF1608T220M	22.0	±20	3.00	35	60	100

*1 Rated Current Based on Inductance Variation: Current when inductance decreases by 10% of the initial value due to direct current superimposed characteristics

*2 Rated Current Based on Inductance Variation: Current when inductance decreases by 20% of the initial value due to direct current superimposed characteristics

*3 Rated Current Based on Increasing Product Temperature: Current when temperature of the product reaches +20°C

Test equipment

L: Agilent 4294A IMPEDANCE ANALYZER, or equivalent

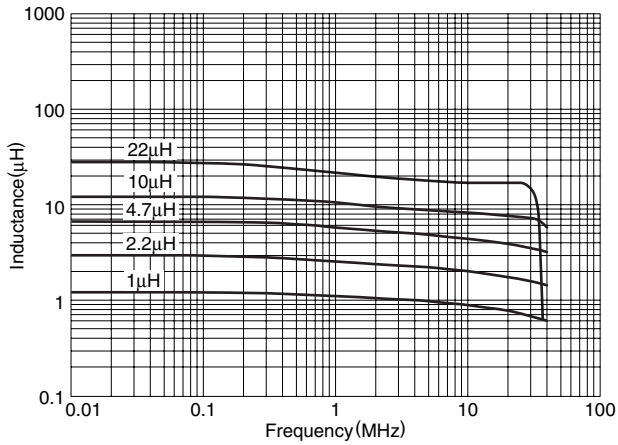
Rdc: MATSUSHITA DIGITAL MILLOHM METER VP-2941A, or equivalent

• 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.

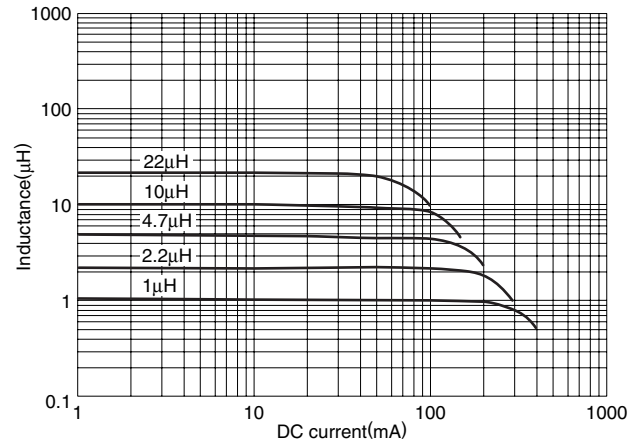
• All specifications are subject to change without notice.

TYPICAL ELECTRICAL CHARACTERISTICS

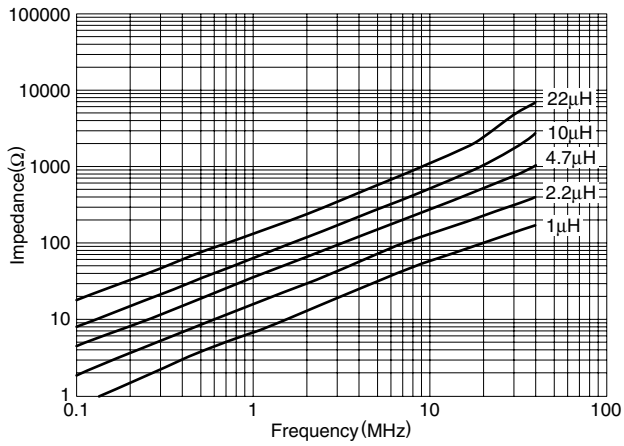
INDUCTANCE vs. FREQUENCY CHARACTERISTICS



INDUCTANCE vs. DC SUPERPOSITION CHARACTERISTICS



IMPEDANCE vs. FREQUENCY CHARACTERISTICS



Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View GLF1608T1R0M](#) on WIN SOURCE

 [TDK Corporation](#) Information

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management