

LSQNB160808T100K

(Previous Part Number : CBMF1608T100K)

S

Gen

Me12

Mob

INDUCTORS [Wire-wound Ferrite Power Inductors LSQN/LSQPA series for General Purpose]

Specifications

Status	Mass Production (Preferred)
Inductance	10 uH ± 10 %
Case Size (EIA/JIS)	0603/1608
Rated Current (max)	0.115 A
Saturation Current (max)	0.115 A (ΔL=30%)
Temperature Rise Current (max)	0.38 A (ΔT=40°C)
DC Resistance (max)	0.468 Ω
DC Resistance (typ)	0.36 Ω
Self Resonant Frequency (min)	32 MHz
Operating Temp. Range	-40 to +105 °C (Including-self-generated heat)
Temperature characteristic (Inductance change)	± 25 %
Dimension L	1.6 ±0.2 mm
Dimension W	0.8 ±0.2 mm
Dimension T	0.8 ±0.2 mm
Dimension e	0.45 ±0.15 mm
Measuring Frequency	2.52 MHz
RoHS Compliance (10 subst.)	Yes
REACH Compliance (253 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow
Standard Quantity	Taping Embossed 3000pcs

Appearance

To Higher Specification

Smaller

Lo-Rdc

Lower

[Hi-Curr.](#)

Features

Wound

Power

CB-series are Wound Chip Inductors having wide line-up, which are suitable for any circuit designs

Main Applications

They are suitable for an anti-noise measure on the power supply circuit of DSC, DVC, HDD, LCD-TV, mobile phones,PC, game equipments, various communication equipments and etc.

Quantity		
LSQNB160808T100K		
Distributor	Quantity	Buy
	3,000	
	2,103	
	2,902	

Previous Part Number : CBMF1608T100K		
Distributor	Quantity	Buy
	249,000	
	523	
	6,000	

Document

[Spec Sheet](#)

[Characteristics Data](#)

[Dimensions\(Outline, Land Patterns, and so on\)](#)

[Reliability Data](#)

[Packaging](#)

[Precautions](#)

[Notice for TAIYO YUDEN products](#)

[Part Number](#)

Simulation data

[S-parameter\(1 Product\)](#)

[S-parameter\(Series\)\(zip\)](#)

[SPICE model\(1 Product\)\(cir\)](#)

[SPICE model\(Series\)\(lib\)](#)

[SPICE model\(Series\)\(zip\)](#)

[3D model \(STEP\)](#)

[Land Pattern\(DXF\)](#)

Links

[Download Component Library](#)

[Download Simulator for EMC Compornents](#)

[Power Inductor Selection Tool](#)

[Conditions for measuring S-parameter](#)

[Management System Certification Status\(ISO, IATF\)](#)

[Inquiries](#)

[Changes to the Part Numbers](#)

RoHS and REACH Certificate of Compliance

[RoHS\(Product\)](#)

[REACH\(Product\)](#)

Powered by [netComponents](#)

The saturation current value is the DC current value having inductance decrease down to 30%. (at 20°C)

The temperature rise current value is the DC current value having temperature increase up to 40°C. (at 20°C)

Please contact our sales staff when ordering or inquiring the details about products on our website.

