

Type:SDO1608C

◆ Product Description

- 6.60×4.45mm Max.(L×W),2.92mm Max. Height.
- Inductance Range: 1.0~1000 μ H
- DCR range: 0.05~13.8 Ω
- In addition to the standards versions shown here,
- custom inductors are also available to meet your exact requirements.

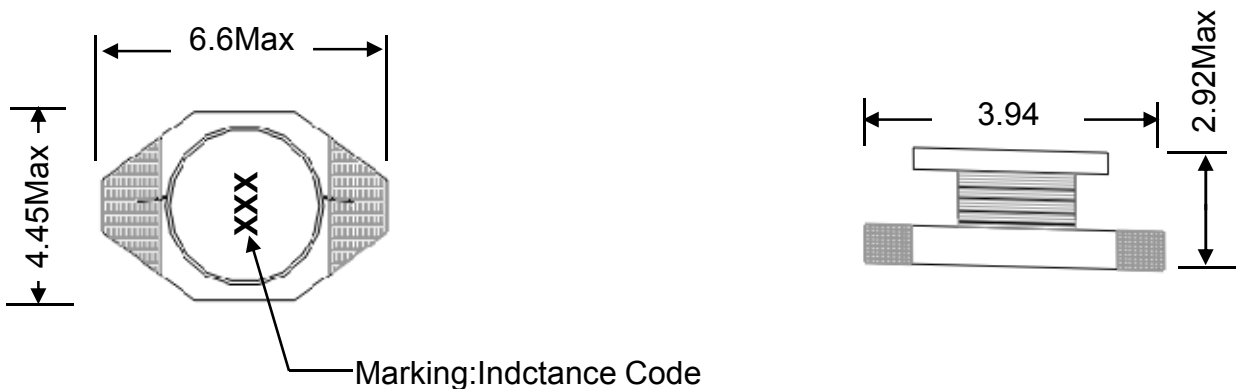
◆ Feature

- High energy storage
- Very low resistance
- Flat top for reliable surface mounting
- RoHS-compliant

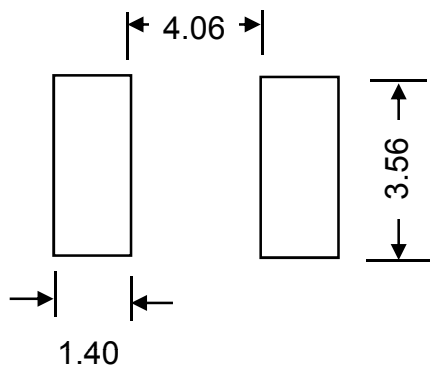
◆ Application

- Power supplies for VTR
- OA equipment
- LCD televisions
- PC notebooks
- portable communication equipment
- DC/DC converters
- Step up and step down converters and flash memory programmers

◆ Dimensions (mm)



◆ Land Pattern (mm)



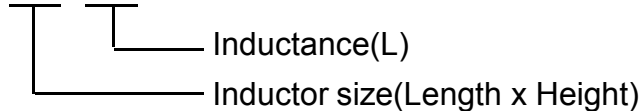
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◆ Specification

Suntek Part Number	System code	Inductance (μH)	D.C.R.(Ω) Max.	Isat(A) (Max.)	Irms(A) (Max.)	SRF(MHz) (typ)
SDO1608C-102		1.0±20%	0.05	2.90	2.9	130.0
SDO1608C-152		1.5±20%	0.05	2.60	2.8	115.0
SDO1608C-222		2.2±20%	0.07	2.30	2.4	90.0
SDO1608C-332		3.3±20%	0.08	2.00	2.0	70.0
SDO1608C-472		4.7±20%	0.09	1.50	1.5	50.0
SDO1608C-682		6.8±20%	0.13	1.20	1.4	45.0
SDO1608C-103		10±20%	0.16	1.10	1.1	35.0
SDO1608C-153		15±20%	0.23	0.90	1.2	30.0
SDO1608C-223		22±20%	0.37	0.70	0.8	20.0
SDO1608C-333		33±20%	0.51	0.58	0.6	15.0
SDO1608C-473		47±20%	0.64	0.50	0.5	14.0
SDO1608C-683		68±20%	0.86	0.40	0.4	11.0
SDO1608C-104		100±20%	1.27	0.31	0.3	9.0
SDO1608C-154		150±20%	2.00	0.27	0.25	6.0
SDO1608C-224		220±20%	3.11	0.22	0.2	5.5
SDO1608C-334		330±20%	3.80	0.18	0.16	5.0
SDO1608C-474		470±20%	5.06	0.16	0.15	4.0
SDO1608C-684		680±20%	9.20	0.14	0.12	3.0
SDO1608C-105		1000±20%	13.8	0.10	0.07	2.0

※Description of Part Name

SDO1608-100M



1. Tested at 100 kHz, 0.1 Vrms, 0 Adc.
2. DC current at which the inductance drops 10% (typ) from its value without current.
3. Average current for 15°C temperature rise from 25°C.
4. Operating temperature range -40°C to +85°C.
5. Electrical specifications at 25°C.