Type:SDT1608C

◆ Product Description

- 6.60×4.45mm Max.(L×W),2.92mm Max. Height.
- Inductance Range: 1.0～1000.0 μH
- DCR range: 0.65～8.1Ω
- In addition to the standards versions shown here,
- custom inductors are also available to meet your exact requirements.

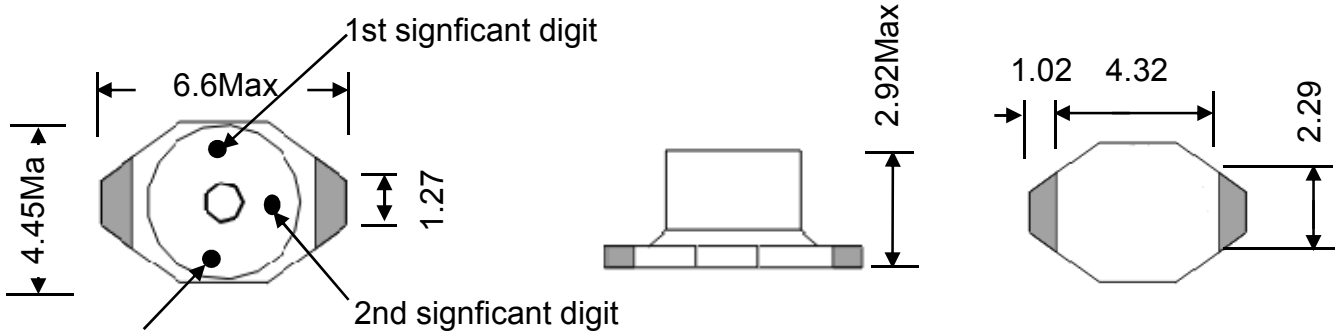
◆ Feature

- SMD (shielded)power inductor
- High currents
- RoHS-compliant.

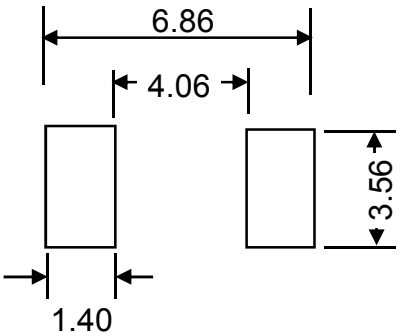
◆ Application

- Power supplies for VTR
- OA equipment
- LCD televisions
- PC notebooks
- Portable communication equipment
- DC/DC converters ,etc

◆ Dimensions (mm)



◆ Land Pattern (mm)



Type:SDT1608C

◆ Specification

Suntek Part Number	System code	Inductance (μH ±20%)	DCR Max. (Ω)	SRF typ (MHz)	Inductance rating (μH)	Current rating (A)	Energy storage max (μJoules)	Switching frequency (Max)
SDT1608C-102_		1.0	0.065	180	0.60	2.00	1.8	1 MHz
SDT1608C-152_		1.5	0.070	120	0.80	1.90	1.8	1 MHz
SDT1608C-222_		2.2	0.075	100	0.90	1.50	1.8	1 MHz
SDT1608C-332_		3.3	0.080	70	1.50	1.20	1.4	1 MHz
SDT1608C-472_		4.7	0.085	60	2.00	1.20	1.6	1 MHz
SDT1608C-682_		6.8	0.090	50	3.00	1.00	1.9	1 MHz
SDT1608C-103_		10.0	0.125	45	5.00	0.70	1.2	1 MHz
SDT1608C-153_		15.0	0.135	35	6.00	0.60	1.1	1 MHz
SDT1608C-223_		22.0	0.160	25	10.00	0.50	1.2	1 MHz
SDT1608C-333_		33.0	0.275	20	12.00	0.45	1.5	1 MHz
SDT1608C-473_		47.0	0.300	17	20.00	0.34	1.3	1 MHz
SDT1608C-683_		68.0	0.575	14	30.00	0.29	1.4	1 MHz
SDT1608C-104_		100.0	1.100	12	40.00	0.24	1.5	1 MHz
SDT1608C-154_		150.0	1.400	7.0	60.00	0.20	1.4	500 KHz
SDT1608C-224_		220.0	2.250	7.0	90.00	0.17	1.6	500 KHz
SDT1608C-334_		330.0	2.900	6.0	100.00	0.16	1.4	500 KHz
SDT1608C-474_		470.0	3.600	4.0	150.00	0.14	1.5	500 KHz
SDT1608C-684_		680.0	4.550	3.5	200.00	0.12	1.4	500 KHz
SDT1608C-105_		1000.0	8.100	2.5	400.00	0.08	1.4	500 KHz

※Description of Part Name

SDT1608C-103_

- Inductance(L)
- Inductor size(Length x Height)

1. Inductance tested at 0.1 Vrms, 100 kHz, 0 Adc.
2. Measured at the rated current. Refer to L vs Current curves for details.
3. Average maximum allowable current. DT Series inductors are designed for current spikes as high as twice the current rating.
4. Ambient temperature range: –40°C to +85°C
5. Storage temperature range: Component: –40°C to +85°C ； Packaging: －55° C to +80° C
6. Resistance to soldering heat: Three reflows at >217°C for 90 seconds (+260°C ±5°C for 20 – 40 seconds), allowing parts to cool to room temperature between.
7. Electrical specifications at 25°C.