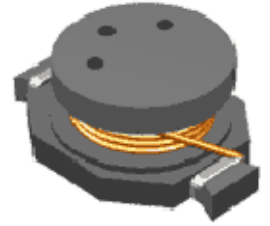


## Type:SDH1813

### ◆ Product Description

- 9.19×6.4mm Max.(L×W),5.3mm Max. Height.
- Inductance Range: 0.18~47.0μH
- DCR range: 0.003~0.47 Ω
- In addition to the standards versions shown here,
- custom inductors are also available to meet your exact requirements.



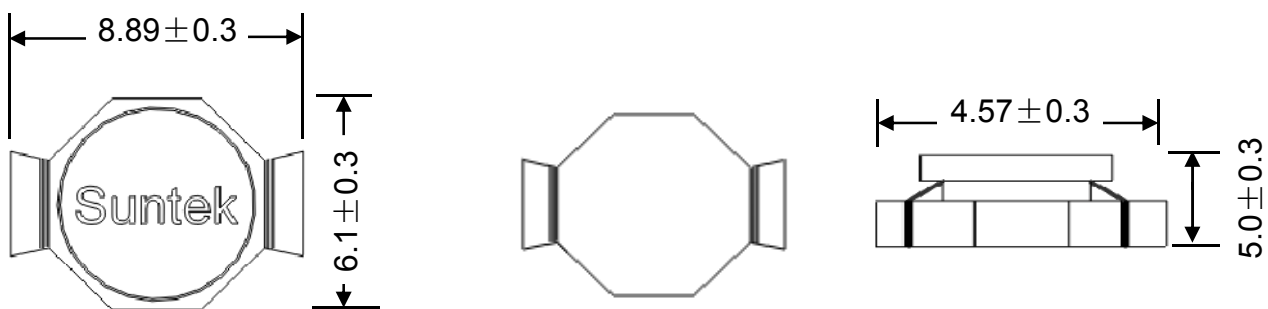
### ◆ Feature

- Very high current ratings - up to 22 Arms; 28 Asat
- Low profile and small footprint - only 0.51" x 0.37" x 0.25" high
- Designed for high ambient temperatures - up to 155°C
- Very high current ratings - up to 16 Arms; 20 A saturating current
- Exceptionally low DC resistance thanks to the use of heavier gauge wire
- RoHS-compliant. 260°C compatible. Tin-silver over copper terminations

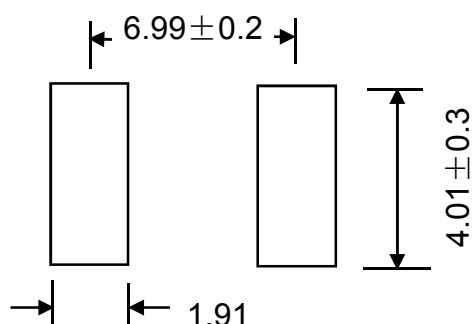
### ◆ Application

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

### ◆ Dimensions (mm)



### ◆ Land Pattern (mm)

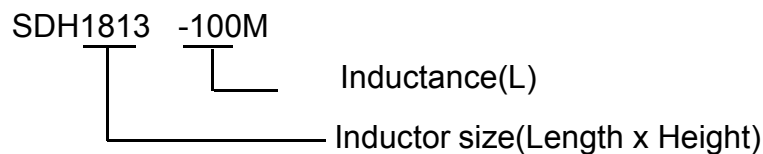


## Type:SDH1813

## ◆ Specification

Suntek Part Number	System code	Inductance (μH)	D.C.R.(Ω) Max.(Typ.)	Isat(A) (Max.)	Irms(A) (Max.)	SRF(MHz) (Ref.)
SDH1813-R18M		0.18±20%	0.003	14.0	10.0	800
SDH1813-R33M		0.33±20%	0.004	10.0	7.00	600
SDH1813-R56M		0.56±20%	0.010	7.70	6.00	200
SDH1813-1R2M		1.2±20%	0.017	5.30	4.40	140
SDH1813-2R2M		2.2±20%	0.035	3.50	3.10	100
SDH1813-3R3M		3.3±20%	0.040	3.00	2.70	80
SDH1813-4R7M		4.7±20%	0.054	2.60	2.20	50
SDH1813-6R8M		6.8±20%	0.080	2.20	1.80	45
SDH1813-8R2M		8.2±20%	0.092	2.00	1.60	42
SDH1813-100M		10±20%	0.111	1.90	1.50	40
SDH1813-150M		15±20%	0.170	1.50	1.20	30
SDH1813-220M		22±20%	0.250	1.20	1.00	25
SDH1813-330M		33±20%	0.350	0.99	0.82	20
SDH1813-470M		47±20%	0.470	0.87	0.72	15

## ※Description of Part Name



1. Inductance tested at 100 kHz, 0.1 Vrms
2. Isat: DC current at which the inductance drops 10% (typ) from its value without current.
3. Irms: Average current for 40°C temperature rise from 25°C ambient.
4. Operating temperature range -55°C to +125°C.
5. Electrical specifications at 25°C