

Type:SHCQ86

◆ Product Description

- 9.0×9.0mm Max.(L×W),8.5mm Max. Height.
- Inductance Range: 0.27~4.70 μ H
- In addition to the standards versions shown here,
- custom inductors are also available to meet your exact requirements.



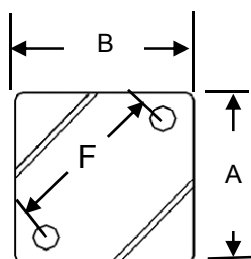
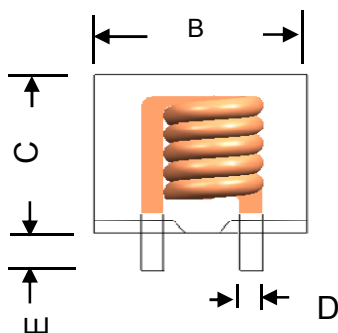
◆ Feature

- Shielded construction
- High current rating
- High frequency range up to 1.0 MHz
- Very low DC resistance
- All lead-free (RoHS)

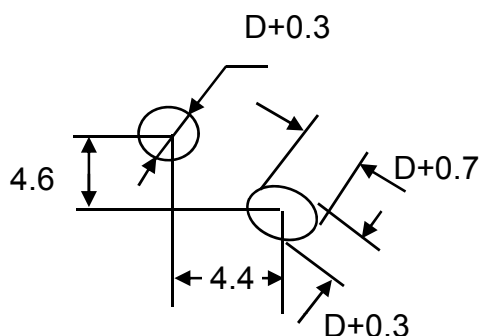
◆ Application

- Motherboards for laptop and desktop computers.
- DC/DC converter in distributed power systems or VRM applications.
- Inductor for general purpose use.

◆ Dimensions (mm)



◆ Land Pattern (mm)

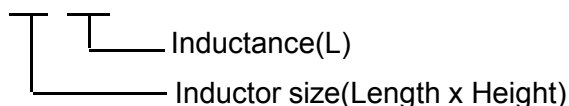


Type:SHCQ86
◆ Specification

Suntek Part Number	System code	LO Inductance (μ H) \pm 20% @OA	A	B	C	D	E	F	DCR(m Ω)		Heat Rating	Saturation
											Current	Current
			mm	mm	mm	mm	mm	mm	[Typical]	[Max]	Idc(Amp)	Isat(Amp)
			\pm 0.5	\pm 0.5	[Max]	\pm 0.2	\pm 0.5	\pm 0.4			Typical	Typical
SHCQ86-R27M		0.27	8.50	8.50	8.00	1.00	3.40	6.30	1.00	1.20	27.5	40.0
SHCQ86-R33M		0.33	8.50	8.50	8.00	1.00	3.40	6.30	1.00	1.20	27.5	40.0
SHCQ86-R47M		0.47	8.50	8.50	8.00	1.00	3.40	6.30	1.60	1.90	22.0	40.0
SHCQ86-R60M		0.60	8.50	8.50	8.00	1.00	3.40	6.30	1.60	1.90	22.0	34.0
SHCQ86-1R0M		1.00	8.50	8.50	8.00	0.90	3.40	6.30	2.70	3.10	17.0	21.0
SHCQ86-2R2M		2.20	8.50	8.50	8.00	0.70	3.40	6.30	6.50	7.50	11.5	16.0
SHCQ86-4R7M		4.7	8.50	8.50	8.50	0.70	3.40	6.30	12.00	14.5	8.0	12.0

※Description of Part Name

SHCQ86-R47M



Note:

1. Test condition @ 200KHz, 0.1Vrms, 25°C ambient
2. Idc: DC current(A) that will cause an approximate ΔT of 40 °C
3. Isat: DC current(A) that will cause Lo to drop approximately 20%
4. Operating Temperature Range: -25 °C to +125 °C