SMT Power Inductor

SIQ1240R Type

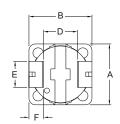
Features

- RoHS compliant.
- High current (10A, 1.4uH), SMDtype.
- Magnetically shielded, suitable for hight density mounting.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Idel for power source circuits, DC-DC converter, DC-AC inverters inductor applications.
- In addition to the standard versions shown here, customized inductors are available to meet your exact requirements.

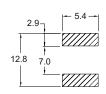


Mechanical Dimension:





RECOMMENDED PAD PATTERNS



UNIT:mm/inch GNIT: Illiministri A = 12.2 ± 0.3 / 0.480 ± 0.012 B = 12.2 ± 0.3 / 0.480 ± 0.012 C = 4.0 / 0.157 Max. D = 7.6±0.3 / 0.299±0.012 E = 5.0 / 0.197

F = 2.2/ 0.087

Electrical Characteristics: 25°C: 100KHz, 0.1V

PART NO.	L ¹ (uH)	DCR (mΩ) MAX	Irated ² (Adc)
SIQ1240R - 1R4	1.4	7.8	10.0
SIQ1240R - 4R7	4.7	22.0	5.1
SIQ1240R - 5R6	5.6	27.0	4.7
SIQ1240R - 100	10.0	46.0	3.5

- 1. Tolerance of inductance : \pm 20%.
- 2. Irated is the DC current which cause the inductance drop less than 25% of its nominal inductance without current and the surface temperature of the part increase less than 45°C.
- 3. Operating temperature: -20°C to 105°C (including self-temperature rise).

