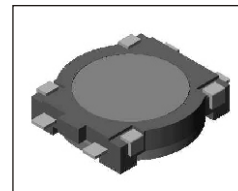


# SMT Power Inductor

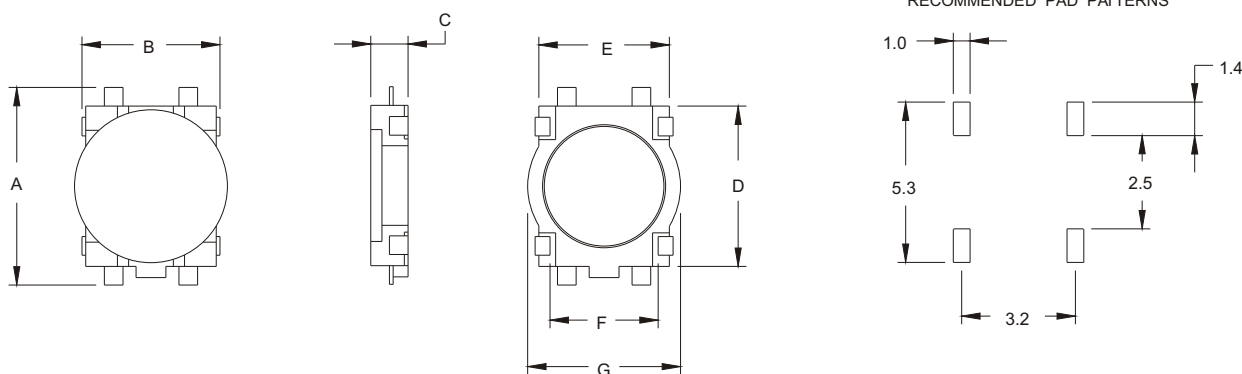
## SIT612 Type

### Features

- RoHS compliant.
- Small size (5.3mm\*4.1mm), low profile (1.2mm max. height) SMD type.
- Unshielded.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor application.
- In addition to the standard versions shown here, customized inductors are available to meet your exact requirements.



### Mechanical Dimension:



UNIT	A	B	C	D	E	F	G
mm	5.800 Max.	3.700 ± 0.200	1.200 Max.	4.300	3.500	2.900	4.100 ± 0.300
inch	0.228 Max.	0.146 ± 0.008	0.047 Max.	0.169	0.138	0.114	0.161 ± 0.012

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

PART NO.	$L^1$ ( $\mu$ H)	DCR ( $m\Omega$ ) MAX	$I_{rated}^2$ (A $^2$ )
SIT612 - 2R2	2.2	0.116	0.95
SIT612 - 3R3	3.3	0.174	0.77
SIT612 - 4R7	4.7	0.216	0.75
SIT612 - 6R8	6.8	0.296	0.62
SIT612 - 100	10.0	0.457	0.50
SIT612 - 150	15.0	0.676	0.40
SIT612 - 220	22.0	1.066	0.30
SIT612 - 330	33.0	1.647	0.24
SIT612 - 470	47.0	2.843	0.18

1. Tolerance of inductance:  $\pm 20\%$ .
2.  $I_{rated}$  is the DC current which cause the inductance drop 10% typical 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).



DELTA ELECTRONICS, INC.

(TAOYUAN PLANT CPBG) 252, SAN YING ROAD, KUEISAN INDUSTRIAL ZONE, TAOYUAN SHIEN, 333, TAIWAN, R.O.C.

TEL: 886-3-3591968; FAX: 886-3-3591991

<http://www.deltawww.com>

## Free Manuals Download Website

<http://myh66.com>

<http://usermanuals.us>

<http://www.somanuals.com>

<http://www.4manuals.cc>

<http://www.manual-lib.com>

<http://www.404manual.com>

<http://www.luxmanual.com>

<http://aubethermostatmanual.com>

Golf course search by state

<http://golfingnear.com>

Email search by domain

<http://emailbydomain.com>

Auto manuals search

<http://auto.somanuals.com>

TV manuals search

<http://tv.somanuals.com>