

SSL3321 Shielded Power Inductor



CHARACTERISTICS

Flat Top for surface mounting.
High Current SMD, up to 5.60 ADC.

FLAMABILITY To UL94V0.

TEMPERATURE RANGE -40°C to 85°C.

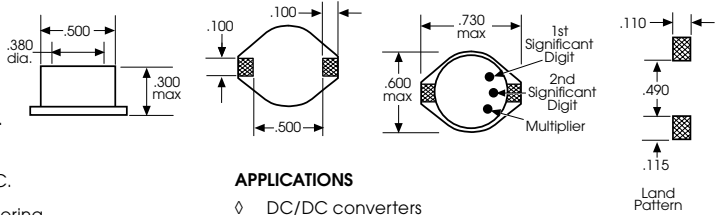
SOLDERABILITY Excellent for IR soldering.

SHIELDED

PACKAGING Tape and Reel only.

NOTES:

- (1) Inductance measured at 100kHz, 0.10Vrms.
- (2) Temperature range -40°C to 85°C.



APPLICATIONS

- ◇ DC/DC converters
- ◇ Computers
- ◇ Telecommunications Equipment
- ◇ Filters
- ◇ LCD Display

Inductance tested at 0.1 Vrms, 100kHz.

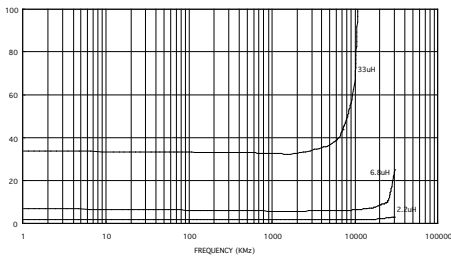
Inductance drop 10% typ. at Isat.

40°C rise typ. at Irms.

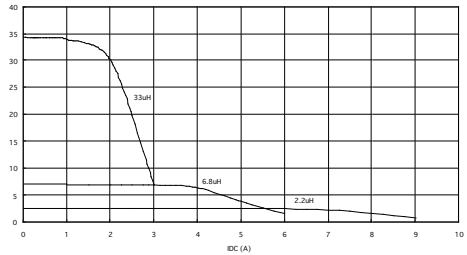
Operating temperature range: 40°C to +85°C

TEST INSTRUMENTS: HP4291A Impedance / Material Analyzer

INDUCTANCE VS. FREQUENCY CHARACTERISTICS



INDUCTANCE VS. IDC CHARACTERISTICS



| Part Number | Inductance (µH) | Q Min. | Q Frq (MHz) | DCR (Ω) Max | SRF (MHz) min | Isat (A) | Irms (A) |
|--------------|-----------------|--------|-------------|-------------|---------------|----------|----------|
| SSL3321-1R0M | 1.0 | 3 | 100 | 0.021 | 110 | 5.6 | 5.0 |
| SSL3321-1R5M | 1.5 | 5 | 100 | 0.022 | 90 | 5.2 | 4.5 |
| SSL3321-2R2M | 2.2 | 5 | 100 | 0.032 | 60 | 5.0 | 3.8 |
| SSL3321-3R3M | 3.3 | 5 | 100 | 0.039 | 55 | 3.9 | 3.3 |
| SSL3321-4R7M | 4.7 | 10 | 100 | 0.054 | 30 | 3.2 | 2.7 |
| SSL3321-6R8M | 6.8 | 10 | 100 | 0.075 | 30 | 2.8 | 2.2 |
| SSL3321-100M | 10 | 10 | 100 | 0.101 | 28 | 2.4 | 2.0 |
| SSL3321-150M | 15 | 15 | 100 | 0.15 | 20 | 2.0 | 1.5 |
| SSL3321-220M | 22 | 20 | 100 | 0.207 | 15 | 1.6 | 1.3 |
| SSL3321-330M | 33 | 20 | 100 | 0.334 | 12 | 1.4 | 1.1 |
| SSL3321-470M | 47 | 20 | 100 | 0.472 | 10 | 1.0 | 0.8 |