



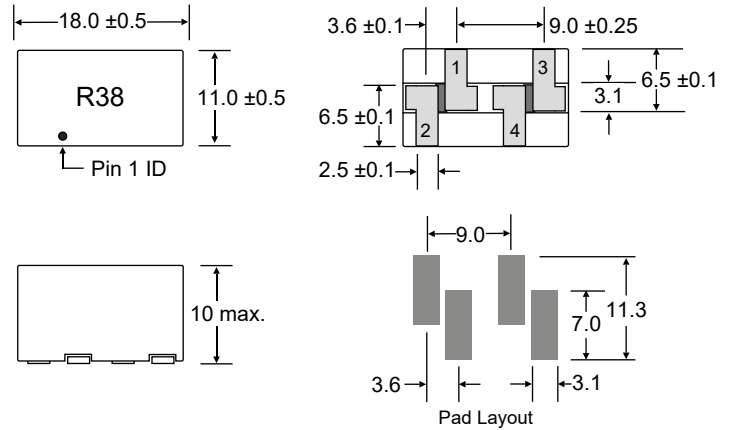
Multi-Phase Power Inductor TLGQW1891



Features

- Magnetically Shielded Power Inductor
- Used in Multi-Phase Power Applications
- Operating Temperature: -40°C to +125°C
- Storage Temperature: -40°C to +125°C
- Halogen-free & RoHs compliant

Dimensions



- All Dimensions are in mm ±0.25mm
- Coplanarity within 0.13mm
- Do not route traces or vias underneath the inductor

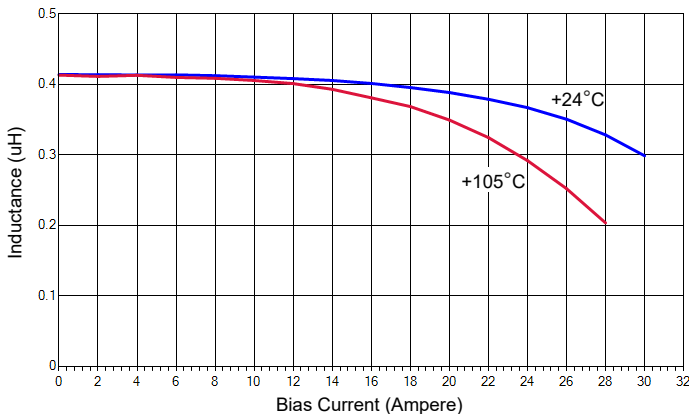
Electrical Characteristics @25°C

Inductor Phases	Inductance ⁽¹⁾ (nH Min.)	Inductance @ Isat1 ⁽¹⁾ (nH Min.)	Isat1 ⁽²⁾ (A)	Inductance @ Isat2 ⁽³⁾ (nH Min.)	Isat2 ⁽²⁾ (A)	SCL ⁽⁴⁾ (nH)	Isat2 ⁽²⁾ (A)	DCR ⁽⁵⁾ (mΩ ±10%)
2	380	200	30	200	30	100	90	0.3

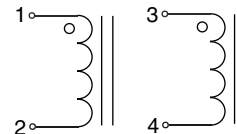
Notes:

- (1) Tested at 1MHz; 0.1Vrms. 0ADC @+25°C
- (2) Isat1: Peak current at which OCL drops to 200nH @+25°C
Isat2: Peak current at which OCL drops to 200nH @+105°C
Isat3: Peak current at which OCL drops 20% @+105°C
- (3) Tested at 1MHz; 0.1Vrms. 0ADC @+105°C
- (4) Short Circuit Inductance @ 1MHz 0.1V 0Adc @+25°C ±20%
Short pins 1 & 4 and measure pins 2 & 3 and divide by 2
- (5) Measured at +20°C

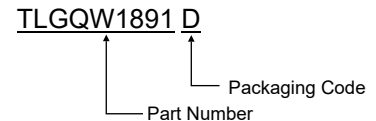
Typical Inductance - Isat Characteristic Graph



Schematic



Part Numbering



- Resistance to solder heat: 245°C Max.
- Packaging Code:
D: Reel diameter=330mm Carrier Tape Width=32mm
Quantity: 200pcs/reel