



Low Profile High Current Shielded Inductor TL4023SG

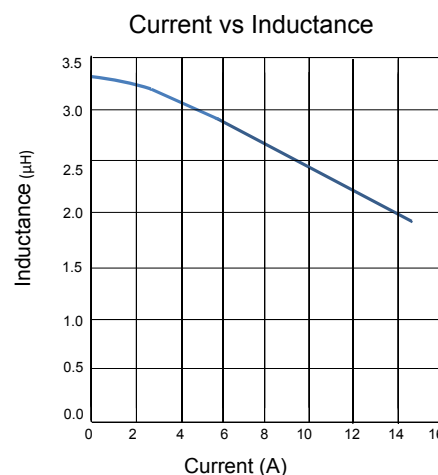
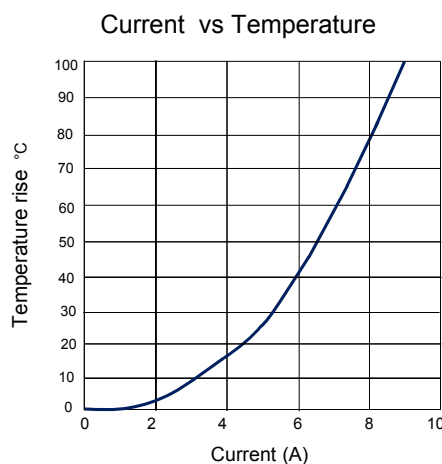
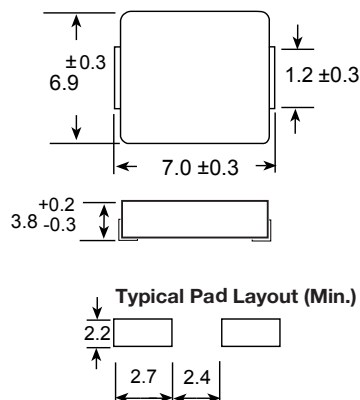
FEATURES:

- Maximum part temperature - 40°C to + 150°C with (40°C rise) Irms current
- Ambient temperature: -40°C to +125°C
- RSH 260°C
- RoHS2 compliant, halogen free



Specifications(25 °C):

Part Number	INDUCTANCE ⁽¹⁾ ±20%	DCR TYP.	DCR MAX.	SRF	HEAT RATING CURRENT DC TYP.	SATURATION CURRENT DC TYP.
	(µH)	(mΩ)	(mΩ)	MHz	(A) ⁽²⁾	(A) ⁽³⁾
TL4023SG	0.33	15.48	18.92	43	6.5	11.0



Notes

1. Inductance measured at 25°C at 100KHz, 100 mV (0 ADC)
2. DC current (A) that will cause L to drop approximately 20%
3. DC current (A) that will cause L to drop < 30%

The part temperature (ambient + temp. rise) should not exceed 150°C under worst case operating conditions. Circuit design, component placement PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature which should be verified in the end application.