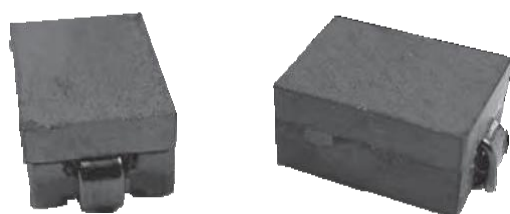


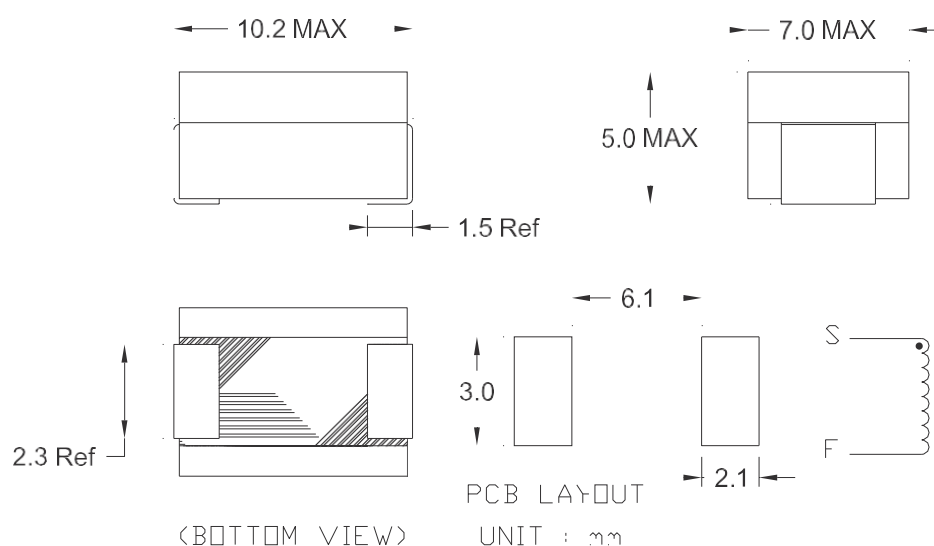
MGT-592 SERIES

High Current Inductor



- Lower losses at high frequency ranges up to 2 MHz
- Low stray field
- Current handling capability up to 80 Amps
- Operating temperature: - 40°C to + 125°C
- Recommended solder profile, Reflow

Mechanical Dimensions:



Electrical Specifications at 25°C

Part Number	Inductance ¹ (μH)	Inductance ² (μH)	Current ² (A)	Current ³ (A)	DCR (mΩ) Typ	Self Resonant Frequency (MHz) Typ
MGT-592-R09	0.085	0.084	31.0	82.0	0.325	50
MGT-592-R10	0.100	0.099	31.0	70.0		
MGT-592-R12	0.120	0.118	31.0	58.0		
MGT-592-R16	0.155	0.150	31.0	47.0		
MGT-592-R22	0.220	0.185	31.0	33.0		

1. Inductance tested at 100 KHz, 0.1 Vrms

2. Irms for 40°C an approximate temperature rise

3. Isat for 20% Inductance drop at rated 25°C