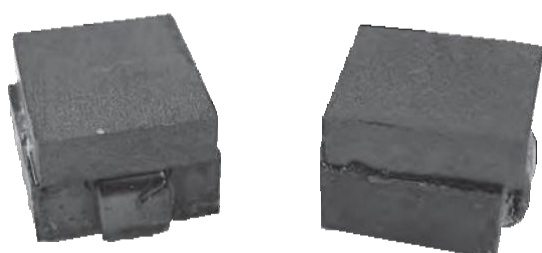


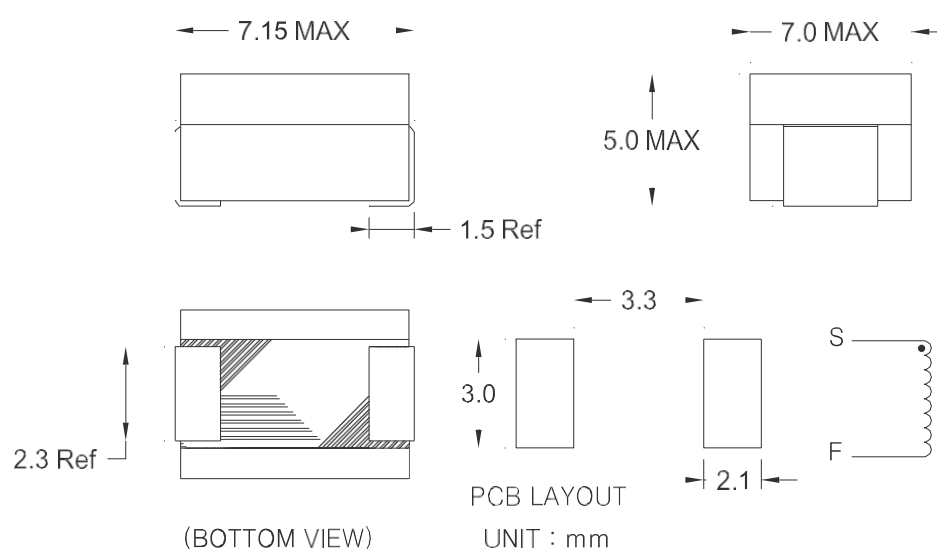
MGT-590 SERIES

High Current Inductor



- Lower losses at high frequency ranges up to 2 MHz
- Low stray field
- Current handling capability up to 65 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-590-R07	0.072	0.071	30.0	65.0	0.25	50
MGT-590-R11	0.105	0.104	30.0	50.0		
MGT-590-R12	0.120	0.119	30.0	37.0		
MGT-590-R15	0.150	0.130	30.0	32.0		
MGT-590-R18	0.180	0.160	20.0	25.0		

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