

MGT-595

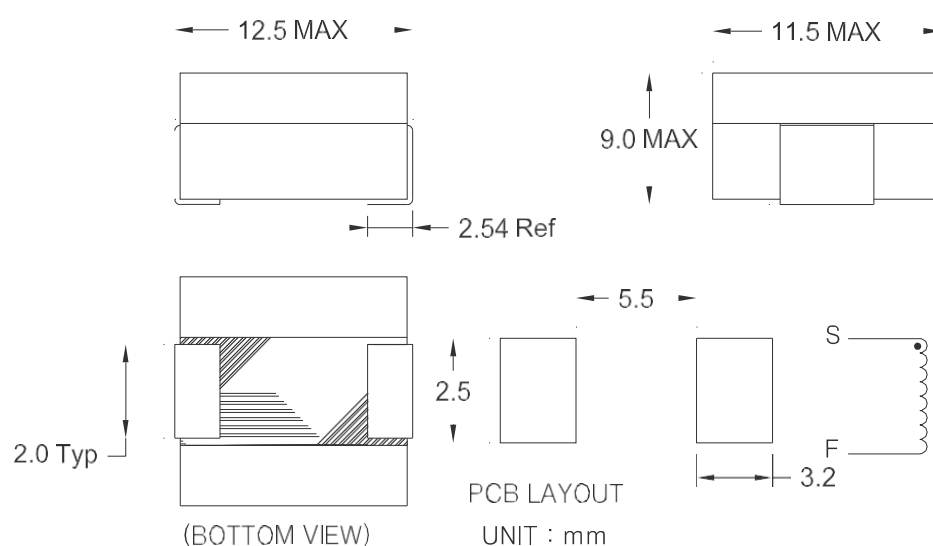
SERIES

High Current Inductor



- Lower losses at high frequency ranges up to 2 MHz
- Low stray field
- Current handling capability up to 110Amps
- 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-595-R11	0.110	0.108	35.0	120.0	0.18	70
MGT-595-R21	0.205	0.185	35.0	80.0		
MGT-595-R27	0.270	0.250	35.0	64.0		
MGT-595-R31	0.311	0.290	35.0	52.0		
MGT-595-R46	0.463	0.420	35.0	37.0		

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