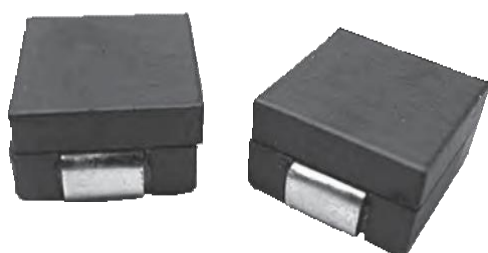


# MGT-597

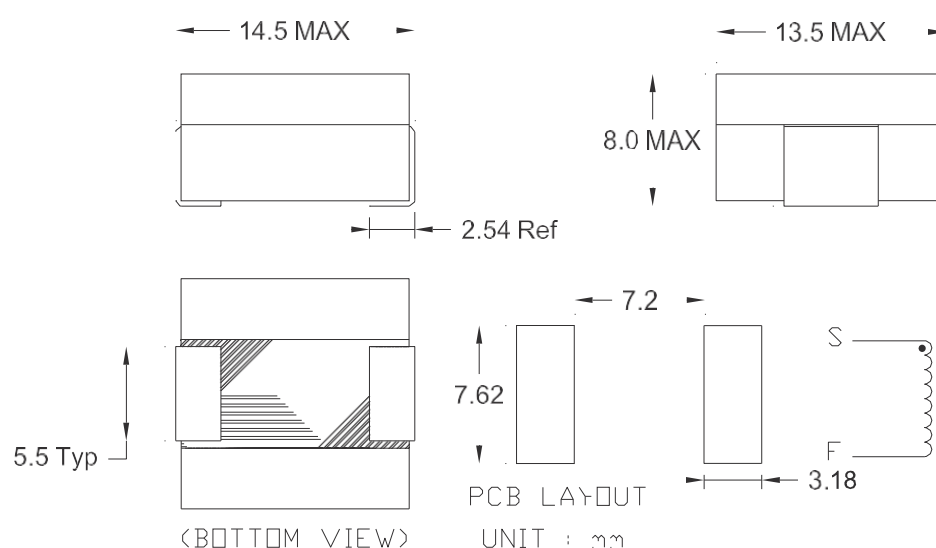
## SERIES

### High Current Inductor



- Lower losses at high frequency ranges up to 2 MHz
- Low stray field
- Current handling capability up to 120 Amps
- Operating temperature: - 40°C to + 125°C
- Recommended solder profile, Reflow

#### Mechanical Dimensions:



#### Electrical Specifications at 25°C

| Part Number | Inductance <sup>1</sup> (μH) | Inductance <sup>2</sup> (μH) | Current <sup>2</sup> (A) | Current <sup>3</sup> (A) | DCR (mΩ) Typ | Self Resonant Frequency (MHz) Typ |
|-------------|------------------------------|------------------------------|--------------------------|--------------------------|--------------|-----------------------------------|
| MGT-597-R11 | 0.110                        | 0.108                        | 45.0                     | 120.0                    | 0.06         | 75                                |
| MGT-597-R21 | 0.210                        | 0.205                        | 45.0                     | 80.0                     |              |                                   |
| MGT-597-R26 | 0.260                        | 0.255                        | 45.0                     | 64.0                     |              |                                   |
| MGT-597-R32 | 0.320                        | 0.300                        | 35.0                     | 42.0                     |              |                                   |
| MGT-597-R44 | 0.440                        | 0.410                        | 25.0                     | 30.0                     |              |                                   |

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