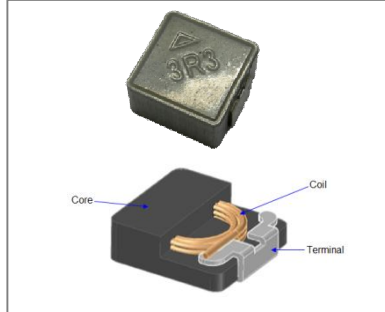
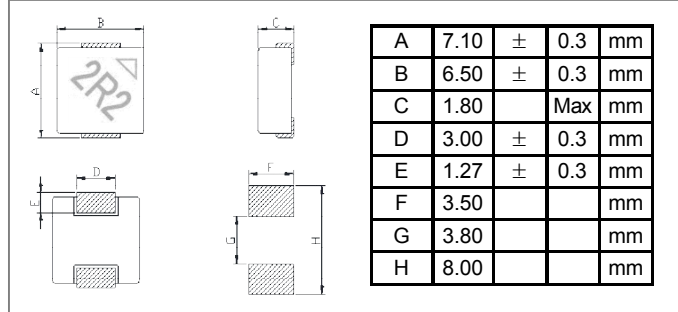


## YCM6518T Series

### ■ Pictures



### ■ Dimensions [mm]



### ■ Features

- Metal Molding Design
- Frequency Range up to 5 MHz
- Lowest DCR/uH
- Buzz Noise Suppression
- 100% Lead Free

### ■ Applications

- PDA/Notebook/Desktop/Server Applications
- Low Profile, High Current Power Supplies
- Battery Powered Devices
- DC/DC Converters for Power System Distribution
- Mobile RF Repeater

### ■ Electrical Specifications

Part Number	Inductance (uH)	DC Resistance (max., mΩ)	Saturation Rated Current(max.,A) <sup>(1)</sup>	Temperature Rise Current(typ.,A) <sup>(2)</sup>
YCM6518T-R47MS	0.47±20%	9.4	13.3	7.6
YCM6518T-1R0MS	1.0±20%	18.6	11.1	6.1
YCM6518T-1R5MS	1.5±20%	38.9	9.8	3.5
YCM6518T-2R2MS	2.2±20%	44.6	9.5	3.3
YCM6518T-3R3MS	3.3±20%	54.5	7.8	2.9
YCM6518T-4R7MS	4.7±20%	79.2	5.7	2.4
YCM6518T-6R8MS	6.8±20%	108.9	3.2	2.0

- All Test Data is Referenced to 25°C Ambient
- Measuring Condition : 100kHz, 100mV
- Tolerance of Inductance : ± 20%
- (1) Saturation Rated Current : 20% lower than its initial value
- (2) Temperature Rise Current : ΔT = 40°C  
Temperature of components should be checked in the end application
- Operating Temperature : -55°C ~ 125°C

### ■ Ordering information

