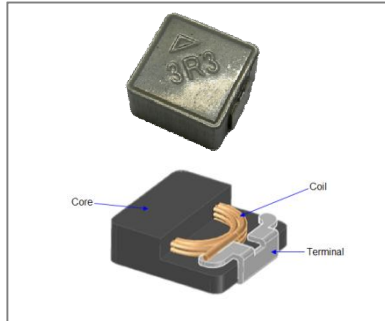
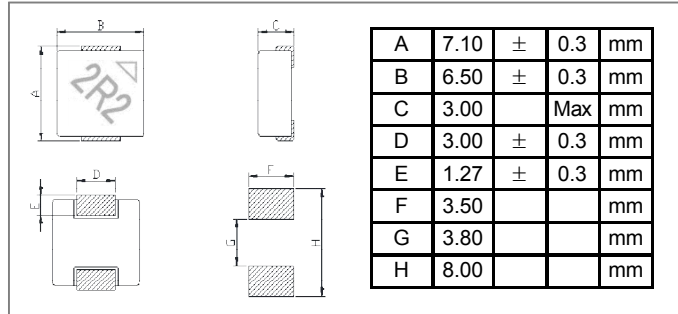


## YCM6530T Series

### ■ 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>
YCM6530T-R15MS	0.15±20%	2.4	31.5	18.2
YCM6530T-R22MS	0.22 ±20%	2.8	25.3	16.4
YCM6530T-R33MS	0.33±20%	4.0	21.4	14.1
YCM6530T-R47MS	0.47±20%	4.2	19.0	13.2
YCM6530T-R56MS	0.56±20%	5.2	18.1	11.8
YCM6530T-R68MS	0.68±20%	5.5	17.6	11.5
YCM6530T-R82MS	0.82±20%	7.8	15.8	10.1
YCM6530T-1R0MS	1.0±20%	9.7	14.1	9.1
YCM6530T-1R5MS	1.5±20%	14.4	13.1	8.1
YCM6530T-2R2MS	2.2±20%	18.8	10.6	6.1
YCM6530T-3R3MS	3.3±20%	29.7	10.1	5.1
YCM6530T-4R7MS	4.7±20%	40.6	5.6	4.0
YCM6530T-5R6MS	5.6±20%	54.5	5.1	3.8
YCM6530T-6R8MS	6.8±20%	64.4	4.2	3.5
YCM6530T-8R2MS	8.2±20%	68.3	4.0	3.3
YCM6530T-100MS	10 ±20%	104.9	3.8	2.8
YCM6530T-150MS	15 ±20%	143.6	3.5	2.0
YCM6530T-220MS	22 ±20%	178.2	2.2	1.5

- 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

