

# YCM6530T SERIES

Metal Molding High Current Inductor\_Shield Type



7.1 x 6.5 x 3.0mm

## YCM6530T



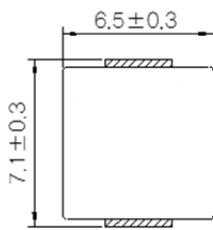
Test Frequency : 100kHz/500mV (CH-1061)

Inductance : 0.15uH~15.0uH

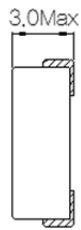
Rated DC Current : 3.5~31.5A Max (Lower Inductance by 20 % TYP.)

DC Resistance : 2.4mΩ~143.6mΩ Max (CH-502A)

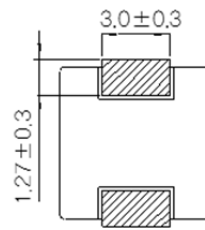
Operation Temperature : -55°C~+125°C



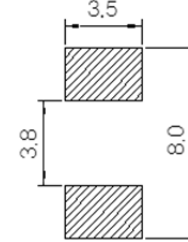
[TOP]



[SIDE]



[BOTTOM]



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Part No.	Inductance L (uH)	Test Freq. (kHz)	DC Resistance (mΩ)Max	Isat (A)Max	Irms (A)Max
YCM6530T-R15MS	0.15	100	2.4	31.5	18.2
YCM6530T-R22MS	0.22	100	2.8	25.3	16.4
YCM6530T-R33MS	0.33	100	4.0	21.4	14.1
YCM6530T-R47MS	0.47	100	4.2	19.0	13.2
YCM6530T-R56MS	0.56	100	5.2	18.1	11.8
YCM6530T-R68MS	0.68	100	5.5	17.6	11.5
YCM6530T-R82MS	0.82	100	7.8	15.8	10.1
YCM6530T-1R0MS	1.00	100	9.7	14.1	9.1
YCM6530T-1R5MS	1.50	100	14.4	13.1	8.1
YCM6530T-2R2MS	2.20	100	18.8	10.6	6.1
YCM6530T-3R3MS	3.30	100	29.7	10.1	5.1
YCM6530T-4R7MS	4.70	100	40.6	5.6	4.0
YCM6530T-5R6MS	5.60	100	54.5	5.1	3.8
YCM6530T-6R8MS	6.80	100	64.4	4.2	3.5
YCM6530T-8R2MS	8.20	100	68.3	4.0	3.3
YCM6530T-100MS	10.00	100	104.9	3.8	2.8
YCM6530T-150MS	15.00	100	143.6	3.5	2.0
YCM6530T-220MS	22.00	100	178.2	2.2	1.5

**NOTE:**

1. Inductance Tolerance : M= ±20%,.
2. Maximum allowable DC current is that which causes a 20% TYP. inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller.(Reference ambient temperature 20°C)