

# YCM6540T SERIES

Metal Molding High Current Inductor\_Shield Type



7.1 x 6.5 x 4.0mm

## YCM6540T



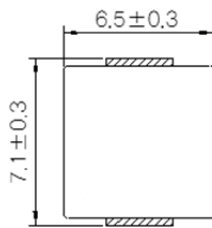
Test Frequency : 100kHz/100mV (CH-1061)

Inductance : 0.68uH~47.0uH

Rated DC Current : 2.1~22.3A Max (Lower Inductance by 20 % TYP.)

DC Resistance : 4.5mΩ~297.0mΩ Max (CH-502A)

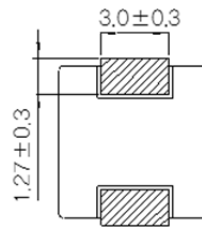
Operation Temperature : -55°C~+125°C



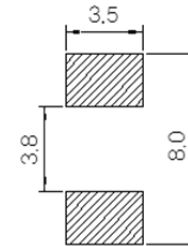
[TOP]



[SIDE]



[BOTTOM]



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Part No.	Inductance L (uH)	Test Freq. (kHz)	DC Resistance (mΩ)Max	Isat (A)Max	Irms (A)Max
YCM6540T-R68MS	0.68	100	4.5	22.3	14.4
YCM6540T-R82MS	0.82	100	5.6	18.9	12.4
YCM6540T-1R0MS	1.0	100	7.4	16.1	10.1
YCM6540T-1R5MS	1.5	100	9.1	14.1	9.1
YCM6540T-2R2MS	2.2	100	15.7	12.1	8.1
YCM6540T-3R3MS	3.3	100	19.8	11.3	6.7
YCM6540T-4R7MS	4.7	100	29.7	10.1	5.4
YCM6540T-6R8MS	6.8	100	45.5	7.7	4.6
YCM6540T-8R2MS	8.2	100	51.5	6.9	4.2
YCM6540T-100MS	10.0	100	71.3	5.2	3.8
YCM6540T-150MS	15.0	100	124.8	4.8	2.8
YCM6540T-220MS	22.0	100	143.6	4.1	2.2
YCM6540T-330MS	33.0	100	193.1	3.8	2.1
YCM6540T-470MS	47.0	100	297.0	2.1	1.0

**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)