

SMD Choke Coils

Singapore

Series: **M**

Type: **ELL5** **M**



Type ELL5 M

■ Features

- Magnetic shielded structure
- Low DC resistance and capable of corresponding large current
- Structure for withstanding fall shock
- Available on tape and reel for automatic insertion

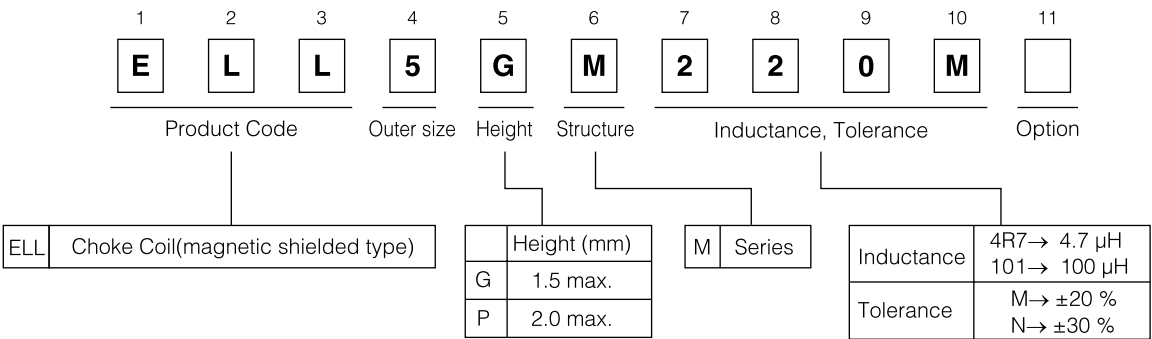
■ Recommended Applications

- DC/DC converter circuit for Computer peripheral, Hand phone.
- Choke coils for Chopper circuit decoupling choked in DC/DC converter circuit

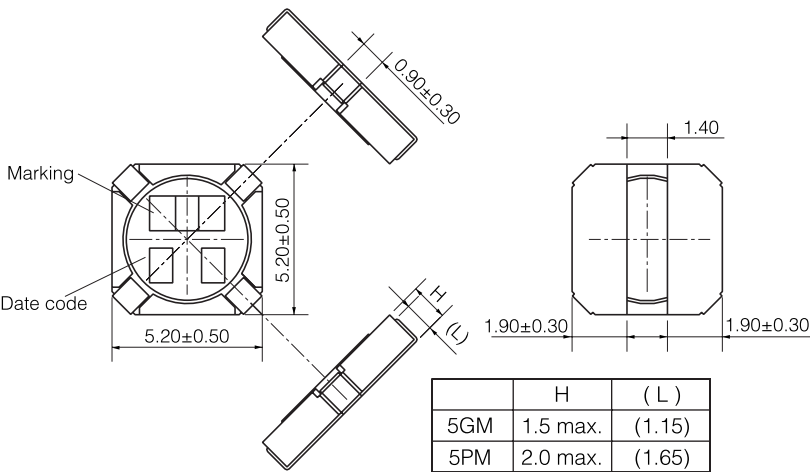
■ Standard Packing Quantity

- 2000 pcs./Reel

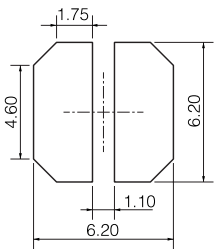
■ Explanation of Part Numbers



■ Dimensions in mm (not to scale)



■ Recommended Land Pattern in mm (not to scale)

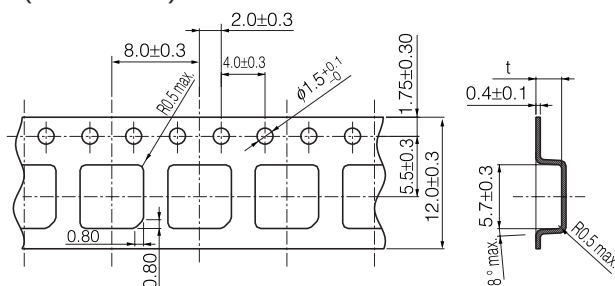


■ Examples

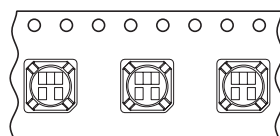
Part No.	Inductance (100 kHz)		DCR (at 20 °C)		* Current (mA) max.	Marking
	(μH)	Tolerance	(mΩ)	Tolerance		
ELL5GM1R0N	1.0	±30 %	32		2200	1R0
ELL5GM2R2N	2.2		53		1600	2R2
ELL5GM3R6N	3.6		70		1300	3R6
ELL5GM4R7N	4.7		92		1100	4R7
ELL5GM5R6N	5.6		100		1000	5R6
ELL5GM6R8N	6.8		120		900	6R8
ELL5GM8R2N	8.2		140		850	8R2
ELL5GM100M	10.0	±20 %	150		750	100
ELL5GM120M	12.0		210		700	120
ELL5GM150M	15.0		250		650	150
ELL5GM180M	18.0		270		600	180
ELL5GM220M	22.0		380		500	220
ELL5GM270M	27.0		430		450	270
ELL5GM330M	33.0		490		400	330
ELL5PM1R2N	1.2	±30 %	23	±20 %	2500	1R2
ELL5PM1R8N	1.8		27		2300	1R8
ELL5PM2R4N	2.4		32		2050	2R4
ELL5PM3R0N	3.0		36		1800	3R0
ELL5PM3R9N	3.9		47		1600	3R9
ELL5PM4R7N	4.7		53		1500	4R7
ELL5PM5R6N	5.6		68		1350	5R6
ELL5PM6R8N	6.8	±20 %	74		1200	6R8
ELL5PM8R2N	8.2		81		1050	8R2
ELL5PM100M	10.0		97		1000	100
ELL5PM120M	12.0		120		850	120
ELL5PM150M	15.0		140		800	150
ELL5PM180M	18.0		180		720	180
ELL5PM220M	22.0		210		680	220
ELL5PM270M	27.0		230		550	270
ELL5PM330M	33.0		270		530	330
ELL5PM390M	39.0		390		480	390
ELL5PM470M	47.0		440		450	470
ELL5PM560M	56.0		610		400	560
ELL5PM680M	68.0		700		350	680
ELL5PM820M	82.0		780		320	820

* Current: This indicates the value of current when the inductance is 70 % more than nominal value and temperature rising $\Delta t=45^{\circ}\text{C}$ lower at D.C superposition.(at 20°C)

■ Embossed Carrier Tape Dimensions in mm
(not to scale)



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ELL5GM	1.75±0.30
ELL5PM	2.15±0.30

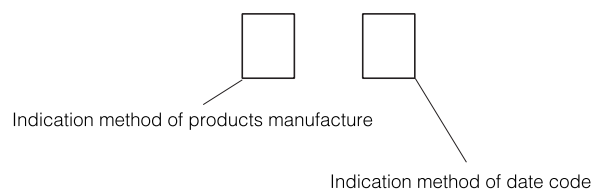


Quantity 2000 pcs./reel



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Tape running direction

■ Date code



Month Year	1	2	3	4	5	6	7	8	9	10	11	12
Odd year	A	B	C	D	E	F	H	I	J	K	L	M
Even year	N	O	P	R	S	T	U	V	W	X	Y	Z

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.