

Excellent Integrated System Limited

Stocking Distributor

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[ELL-6GM1R2N](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

Panasonic

Choke coils

SMD Choke Coils

Singapore

Series: **M**

Type: **ELL6□M**



Type ELL6□M

■ Features

- Magnetic shielded structure
- Low DC resistance and large current capability
- Shock resistant
- Available on tape and reel for automatic insertion

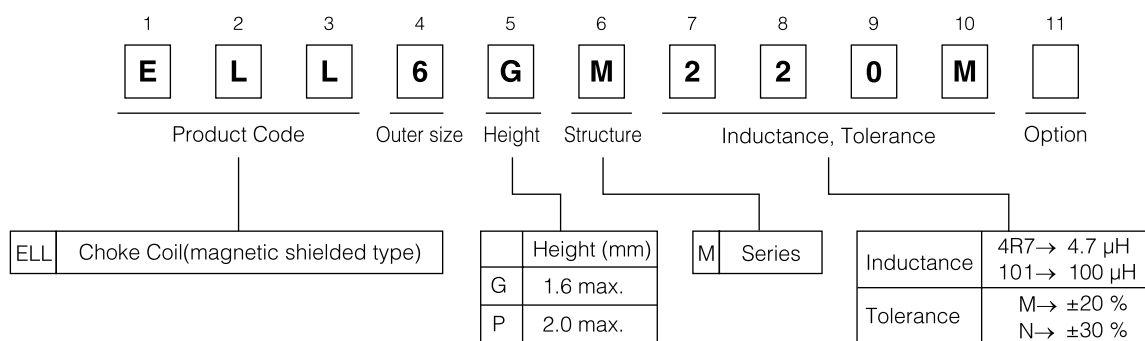
■ Recommended Applications

- DC/DC converter circuitry for computer peripherals and cellular hand sets.
- Chopper circuit decoupling chokes in DC/DC converter circuitry

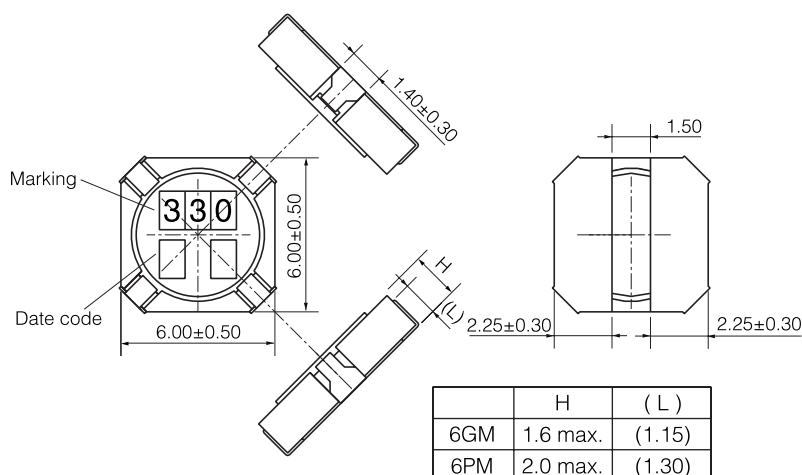
■ Standard Packing Quantity

- 1000 pcs./Reel

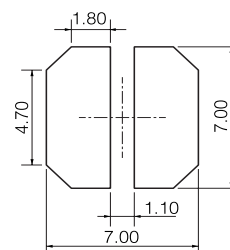
■ Explanation of Part Numbers



■ Dimensions in mm (not to scale)



■ Recommended Land Pattern in mm (not to scale)



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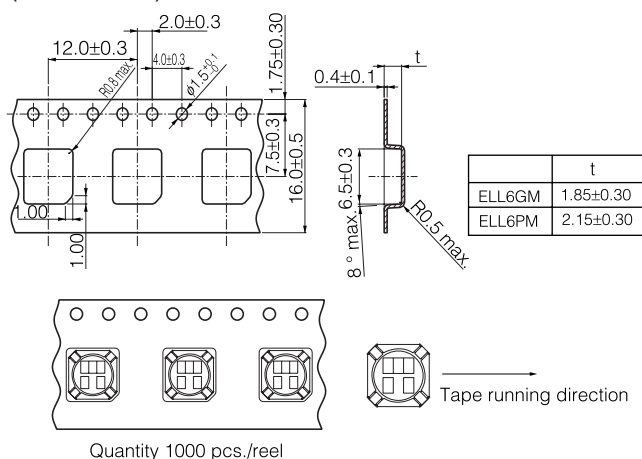
Choke coils

Standard Parts

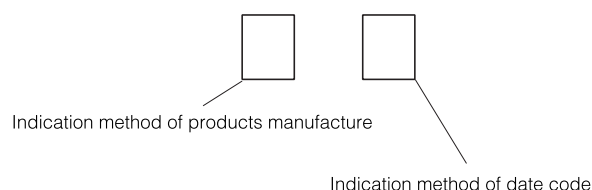
Part No.	Inductance (100 kHz)		Rdc (at 20 °C)		*Current (mA) max.	Marking
	(μH)	Tolerance	(mΩ)	Tolerance		
ELL6GM1R2N	1.2	±30 %	23	±20 %	2300	1R2
ELL6GM1R8N	1.8		28		1900	1R8
ELL6GM2R2N	2.2		35		1800	2R2
ELL6GM2R7N	2.7		41		1700	2R7
ELL6GM3R6N	3.6		57		1500	3R6
ELL6GM4R7N	4.7		78		1250	4R7
ELL6GM5R6N	5.6		86		1200	5R6
ELL6GM6R8N	6.8		96		1100	6R8
ELL6GM7R5N	7.5	±20 %	110		1050	7R5
ELL6GM100M	10.0		150		930	100
ELL6GM120M	12.0		170		830	120
ELL6GM150M	15.0		190		740	150
ELL6GM180M	18.0		260		710	180
ELL6GM220M	22.0		320		620	220
ELL6GM270M	27.0		350		560	270
ELL6GM330M	33.0		490		500	330
ELL6GM390M	39.0		550		460	390
ELL6GM470M	47.0		620		420	470
ELL6GM560M	56.0		700		380	560
ELL6GM680M	68.0		820		350	680
ELL6PM1R0N	1.0	±30 %	16	±20 %	2700	1R0
ELL6PM1R5N	1.5		20		2450	1R5
ELL6PM2R0N	2.0		24		2200	2R0
ELL6PM2R7N	2.7		29		2000	2R7
ELL6PM3R3N	3.3		35		1850	3R3
ELL6PM3R9N	3.9		40		1800	3R9
ELL6PM4R7N	4.7		47		1680	4R7
ELL6PM5R6N	5.6	±20 %	52		1500	5R6
ELL6PM6R8N	6.8		57		1350	6R8
ELL6PM7R5N	7.5		70		1300	7R5
ELL6PM9R1N	9.1		77		1200	9R1
ELL6PM100M	10.0		85		1000	100
ELL6PM120M	12.0		110		950	120
ELL6PM150M	15.0		130		900	150
ELL6PM180M	18.0		140		820	180
ELL6PM220M	22.0		200		700	220
ELL6PM270M	27.0		220		620	270
ELL6PM330M	33.0		290		550	330
ELL6PM390M	39.0		310		520	390
ELL6PM470M	47.0		360		440	470
ELL6PM560M	56.0		500		420	560
ELL6PM680M	68.0		600		400	680
ELL6PM820M	82.0		680		360	820
ELL6PM101M	100.0		970		320	101

* Current: This indicates the value of current when the inductance is 70 % of nominal value or when the case temperature has risen 45 °C (at 20 °C)

Embossed Carrier Tape Dimensions in mm (not to scale)



Date code



Month	1	2	3	4	5	6	7	8	9	10	11	12
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