

SMD Choke Coils

Series: **N**

Type: **ELC6GN**



Type ELC6GN

■ Features

- Low DC resistance and large current capability

RoHS compliant

■ Recommended Applications

- DC-DC converter circuitry for computer peripherals and cellular phones.
- Chopper circuit decoupling chokes for DC-DC converter circuitry

■ Standard Packing Quantity

- 1000 pcs./Reel

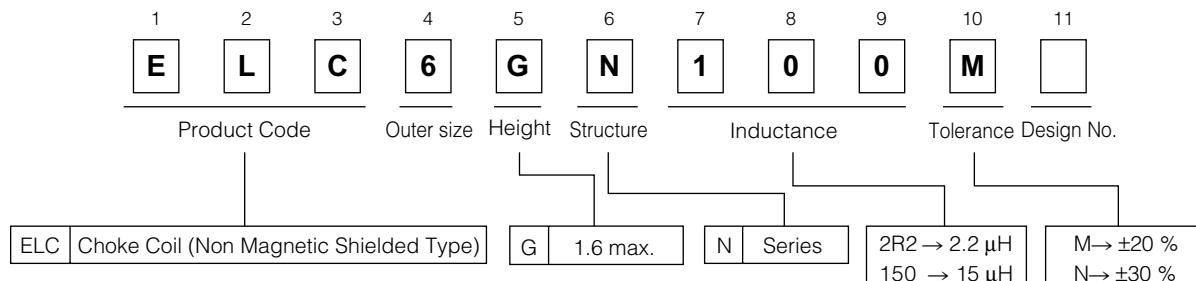
■ Soldering Conditions

Please see Page 169

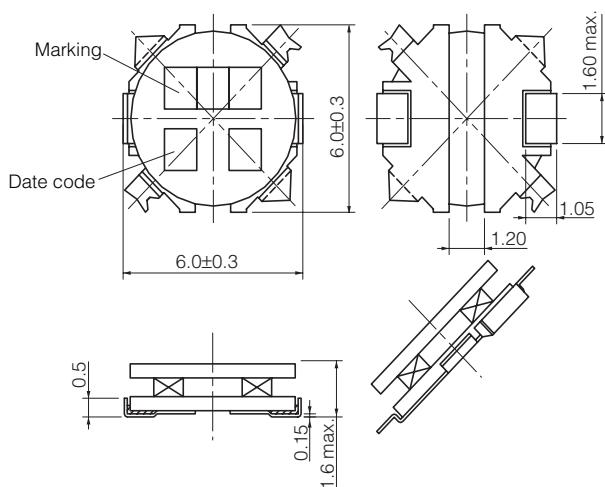
■ Safety Precautions

Please see Page 170

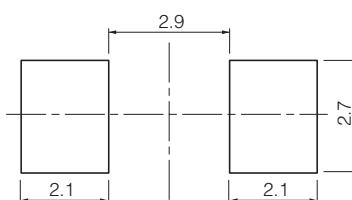
■ Explanation of Part Numbers



■ Dimensions in mm (not to scale)



■ Recommended land patterns in mm (not to scale)

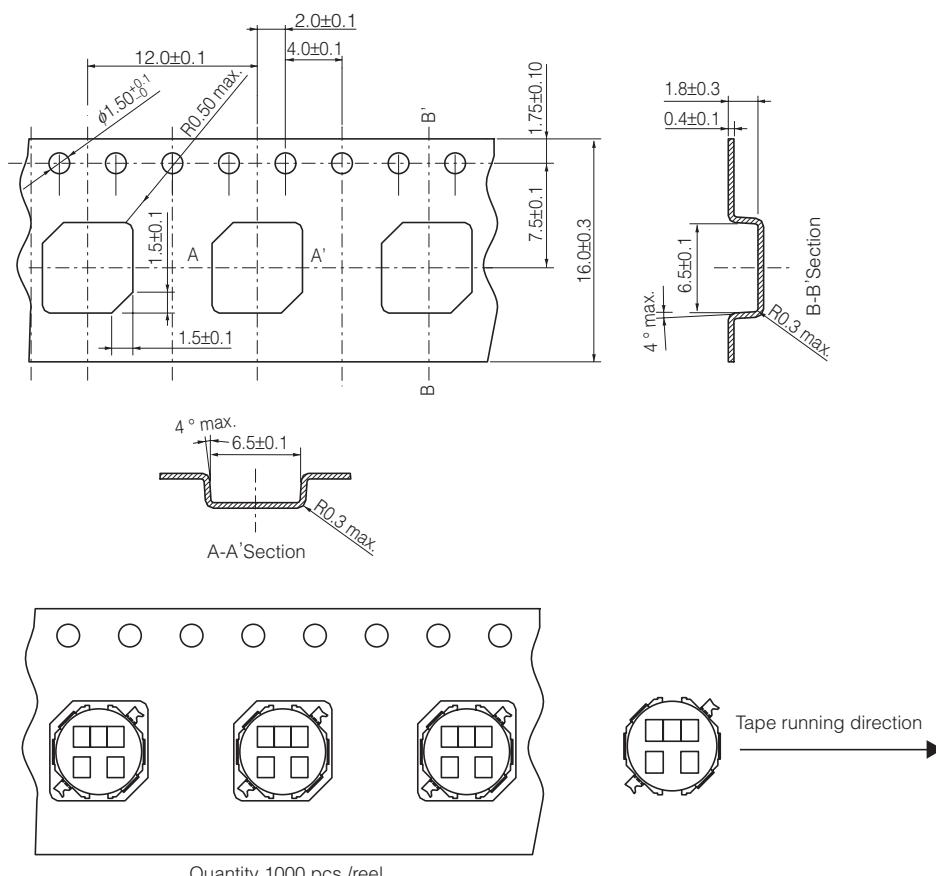


■ Standard Parts

Part Number	Inductance (100 kHz)		R _{DC} (at 20 °C)		*Rated Current (mA max.)	Marking
	(μ H)	Tol.	(m Ω)	Tol.		
ELC6GN1R2N	1.2	$\pm 30\%$	38	$\pm 20\%$	2700	1R2
ELC6GN2R2N	2.2		47		2400	2R2
ELC6GN3R3N	3.3		66		2000	3R3
ELC6GN4R7N	4.7		94		1650	4R7
ELC6GN6R8N	6.8		120		1400	6R8
ELC6GN100M	10.0		160		1200	100
ELC6GN220M	22.0		330		800	220
ELC6GN330M	33.0		470		600	330
ELC6GN470M	47.0		660		550	470
ELC6GN560M	56.0		740		500	560
ELC6GN680M	68.0		960		450	680

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

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



Mouser Electronics

Authorized Distributor

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