

SMD Choke Coils

Series: **R**
Type: **ELL5PR**



Type ELL5PR

■ Features

- Magnetic shielded structure
- Low DC resistance and large current capability
- Adopted a rectangular core
- 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

- 2000 pcs./Reel

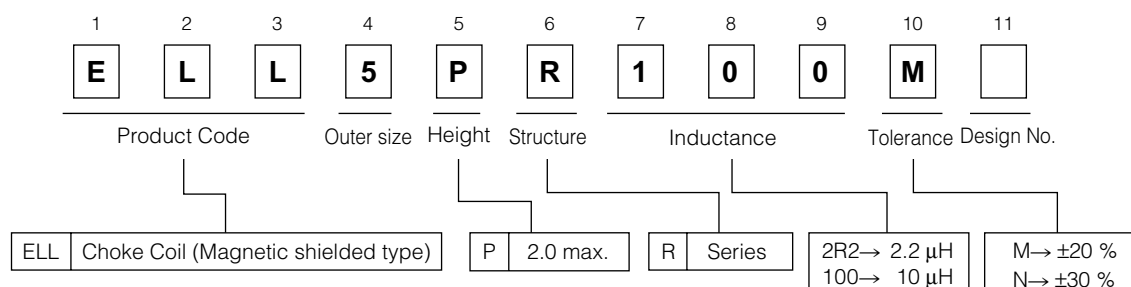
■ Soldering Conditions

Please see Page 169

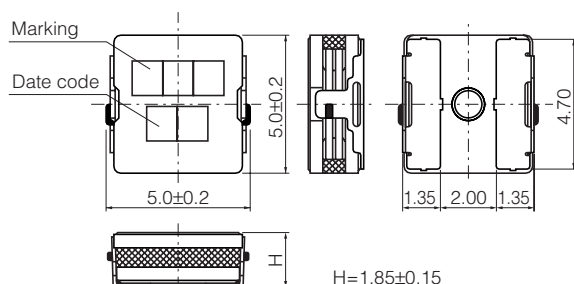
■ Safety Precautions

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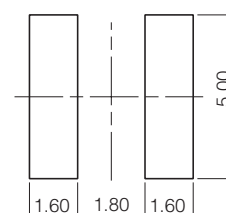
■ Explanation of Part Numbers



■ Dimensions in mm (not to scale)



■ Recommended Land Pattern in mm (not to scale)



Standard Parts

Part Number	Inductance (100 kHz)		R _{DC} (at 20 °C)		Saturation Rated Current ^{*1} (mA max.)	Temperature Rise Current ^{*2} (mA max.)	Marking
	(μH)	Tol.	(mΩ)	Tol.			
ELL5PRR47N	0.47	±30%	12	±30%	5000	3400	R47
ELL5PR1R2N	1.2		21	±20%	4200	2600	1R2
ELL5PR1R5N	1.5		25		4000	2500	1R5
ELL5PR2R2N	2.2		32		3200	2100	2R2
ELL5PR3R3N	3.3		37		2600	2000	3R3
ELL5PR4R7N	4.7		56		2200	1600	4R7
ELL5PR6R8N	6.8		85		1700	1250	6R8
ELL5PR100M	10.0	±20%	100		1400	1150	100

*1 Saturation Rated Current : This DC current which causes a 30 % inductance reduction from its nominal value.

*2 Temperature Rise Current : This indicates the value of current when temperature rise dt/t= 40 °C (at 20 °C).

Embossed Carrier Tape Dimensions in mm (not to scale)

