

Power Inductors / Wire Wound type

Series: **P**
Type: **ELL8TP**



■ Features

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

■ Recommended Applications

- DC-DC converter circuitry for computer peripherals and amusement equipment.
- Chopper circuit decoupling chokes for DC-DC converter circuitry.

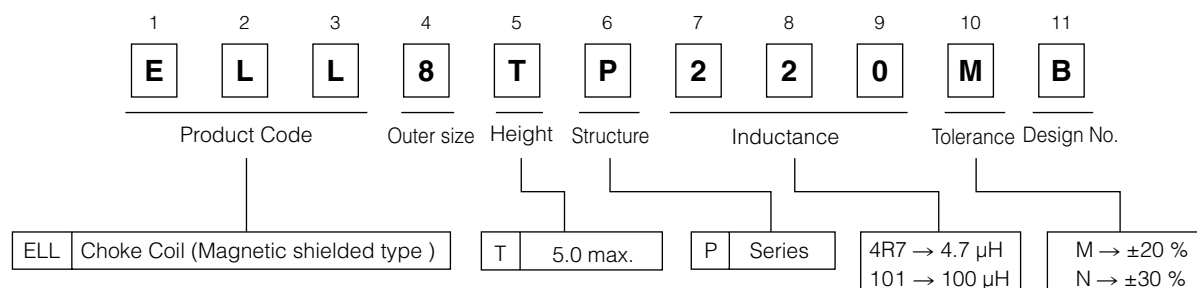
■ Standard Packing Quantity

- 500 pcs./Reel

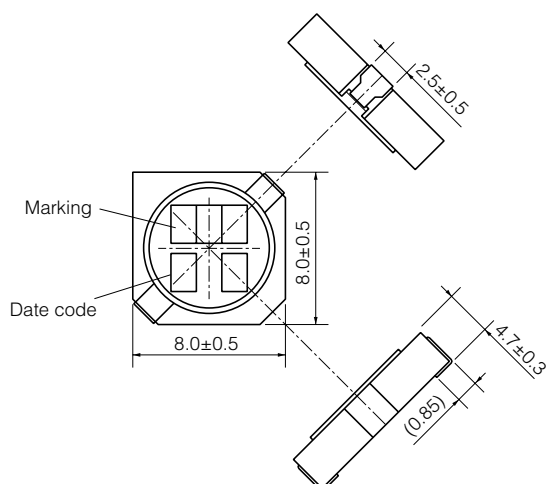
■ Soldering Conditions and Safety Precautions

Please see Data Files

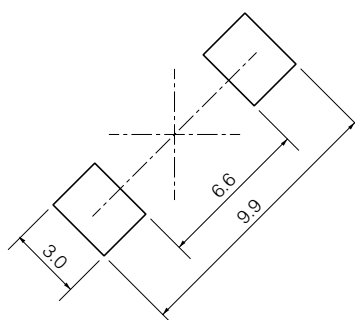
■ Explanation of Part Numbers



■ 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.			
ELL8TPR80NB	0.8	±30 %	3.6	±30 %	9500	9000	R80
ELL8TP1R2NB	1.2		4.7		8500	8000	1R2
ELL8TP2R5NB	2.5		7	±20 %	5500	6500	2R5
ELL8TP3R3NB	3.3		13		5000	4200	3R3
ELL8TP4R7NB	4.7		14		4000	4000	4R7
ELL8TP6R8NB	6.8		18		3500	3500	6R8
ELL8TP100MB	10.0	±20 %	25		3000	3000	100
ELL8TP150MB	15.0		44		2300	2300	150
ELL8TP220MB	22.0		55		2200	2000	220
ELL8TP330MB	33.0		84		1600	1600	330
ELL8TP470MB	47.0		100		1400	1500	470
ELL8TP680MB	68.0		140		1000	1300	680
ELL8TP101MB	100.0		190		900	1100	101
ELL8TP151MB	150.0		340		700	800	151
ELL8TP221MB	220.0		480		550	700	221
ELL8TP331MB	330.0		700		450	570	331
ELL8TP471MB	470.0		1000		400	480	471
ELL8TP681MB	680.0		1300		300	430	681
ELL8TP102MB	1000.0		2100		250	330	102

*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 $\Delta t/t = 40$ °C (at 20 °C).

Embossed Carrier Tape Dimensions in mm (not to scale)

