

SMD Choke Coils

Series: **P**
Type: **ELLATP**



Type ELLATP

■ Features

- Magnetic shielded structure
- Low DC resistance and large current capability
- Available on tape and reel for automatic insertion
- The new version of ELLATV serie
- 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

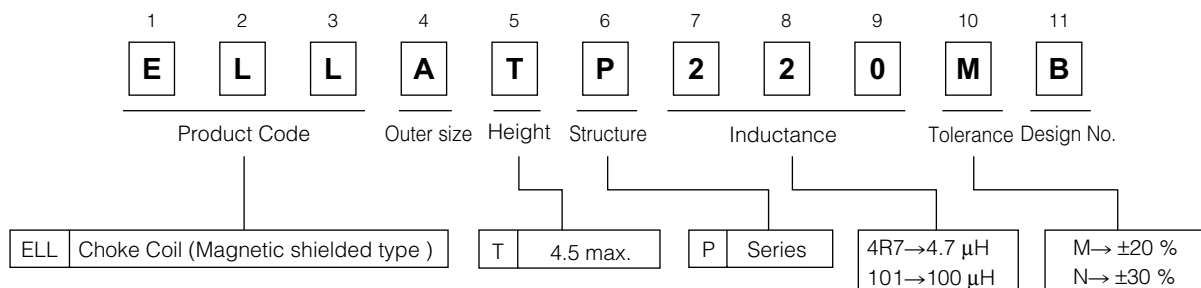
■ Soldering Conditions

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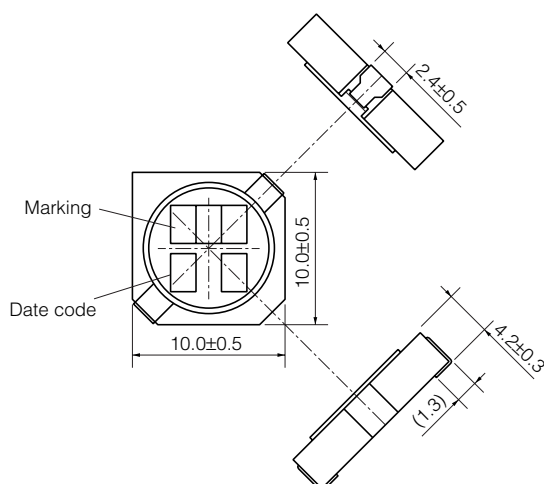
■ Safety Precautions

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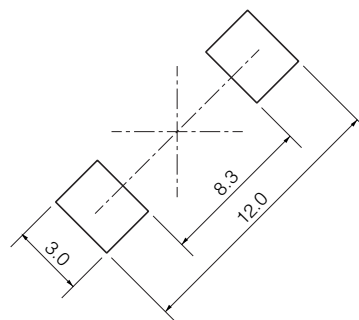
■ Explanation of Part Numbers



■ 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.			
ELLATP1R0NB	1.0	±30 %	3.6	±30 %	9000	8000	1R0
ELLATP1R5NB	1.5		4.4		8000	7000	1R5
ELLATP2R7NB	2.7		5.4		5500	6500	2R7
ELLATP3R3NB	3.3		7.5		5350	5500	3R3
ELLATP4R7NB	4.7		9.1		4500	5000	4R7
ELLATP5R1NB	5.1	±20 %	12	±20 %	4350	4500	5R1
ELLATP6R8NB	6.8		15		4000	4000	6R8
ELLATP8R2NB	8.2		18		3700	3700	8R2
ELLATP100MB	10.0		22		3300	3300	100
ELLATP120MB	12.0		25		2900	2900	120
ELLATP150MB	15.0		29		2700	2700	150
ELLATP220MB	22.0		38		2200	2500	220
ELLATP270MB	27.0		47		1900	2200	270
ELLATP330MB	33.0		59		1800	2000	330
ELLATP390MB	39.0		66		1600	1800	390
ELLATP470MB	47.0		80		1500	1700	470
ELLATP680MB	68.0		120		1100	1400	680
ELLATP820MB	82.0		140		1050	1300	820
ELLATP101MB	100.0		180		1000	1200	101
ELLATP121MB	120.0		200		900	1000	121
ELLATP151MB	150.0		250		780	900	151
ELLATP181MB	180.0		320		750	750	181
ELLATP221MB	220.0		360		700	700	221
ELLATP331MB	330.0		550		550	600	331
ELLATP471MB	470.0		780		470	500	471
ELLATP681MB	680.0		1150		380	450	681
ELLATP102MB	1000.0		1700		310	370	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 dt/t= 40 °C (at 20 °C).

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

