

SMD Choke Coils

Series: **V**
Type: **ELLCTV**



Type ELLCTV

■ 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 cellular phones.
- Chopper circuit decoupling chokes for DC-DC converter circuitry

■ Standard Packing Quantity

- 500 pcs./Reel

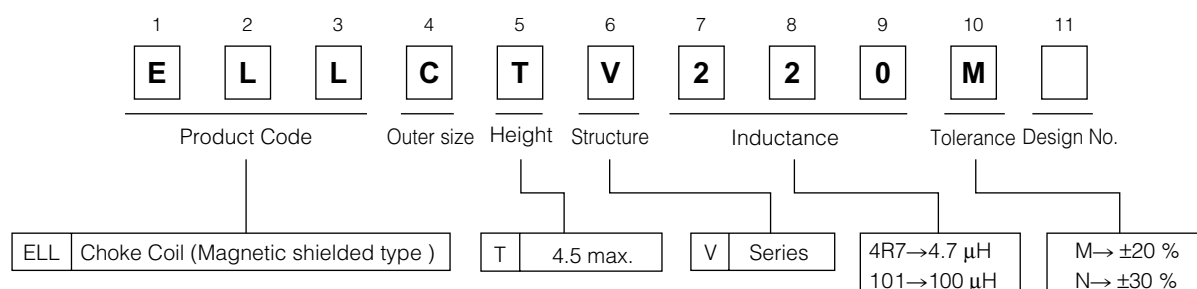
■ Soldering Conditions

Please see Page 169

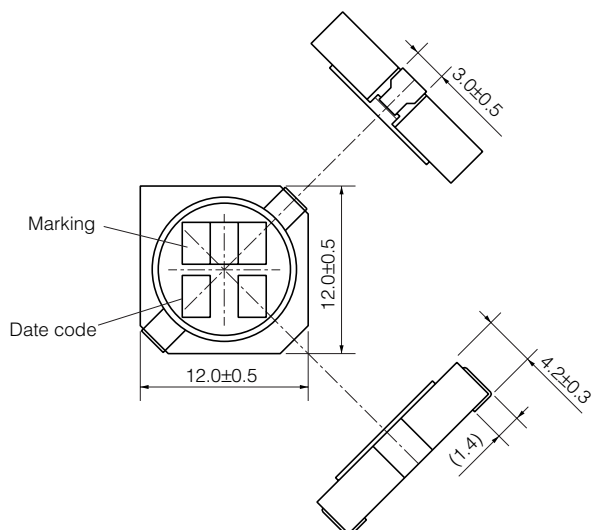
■ Safety Precautions

Please see Page 170

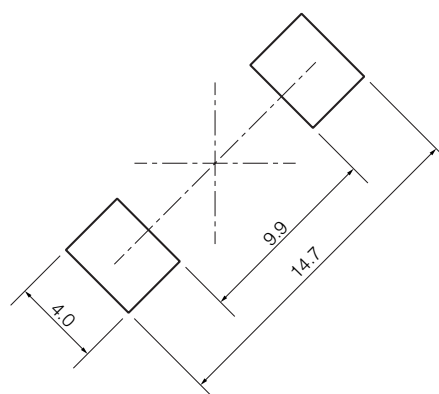
■ Explanation of Part Numbers



■ Dimensions in mm (not to scale)



■ Recommended Land Pattern in mm (not to scale)

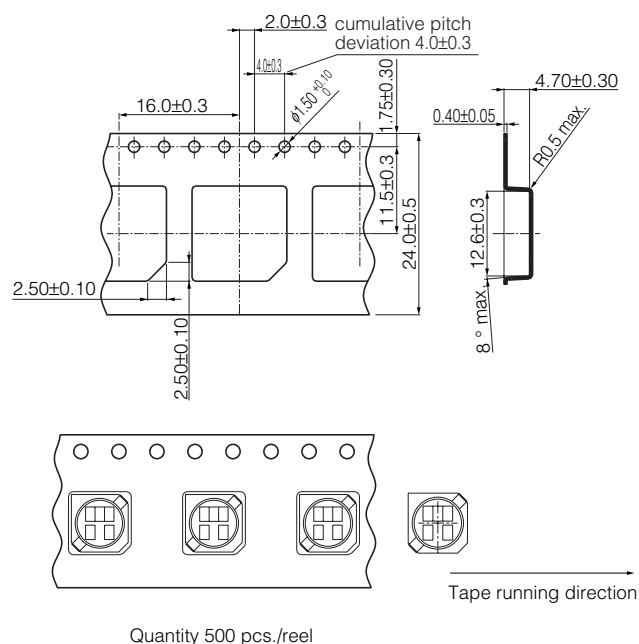


Standard Parts

Part No.	Inductance (100 kHz)		R _{DC} (at 20 °C)		* Rated Current (mA) max.	Marking
	(μH)	Tolerance	(mΩ)	Tolerance		
ELLCTV1R2N	1.2	±30 %	4.6	±20 %	6500	1R2
ELLCTV2R0N	2.0		5.6		6300	2R0
ELLCTV2R7N	2.7		7.0		5700	2R7
ELLCTV3R9N	3.9		8.5		5600	3R9
ELLCTV4R7N	4.7		9.9		5200	4R7
ELLCTV5R6N	5.6		11		4900	5R6
ELLCTV6R8N	6.8		14		4500	6R8
ELLCTV8R2N	8.2		15		4400	8R2
ELLCTV100M	10.0	±20 %	17		3900	100
ELLCTV120M	12.0		22		3700	120
ELLCTV150M	15.0		25		3100	150
ELLCTV180M	18.0		30		3000	180
ELLCTV220M	22.0		37		2700	220
ELLCTV270M	27.0		43		2300	270
ELLCTV330M	33.0		50		2200	330
ELLCTV390M	39.0		61		2100	390
ELLCTV470M	47.0		69		1900	470
ELLCTV560M	56.0		87		1600	560
ELLCTV680M	68.0		100		1500	680
ELLCTV820M	82.0		120		1400	820
ELLCTV101M	100.0		150		1200	101
ELLCTV121M	120.0		190		1100	121
ELLCTV151M	150.0		220		1000	151
ELLCTV181M	180.0		270		930	181
ELLCTV221M	220.0		310		840	221
ELLCTV271M	270.0		400		810	271
ELLCTV331M	330.0		500		660	331
ELLCTV391M	390.0		560		630	391
ELLCTV471M	470.0		690		580	471
ELLCTV561M	560.0		810		540	561
ELLCTV681M	680.0		1010		470	681
ELLCTV821M	820.0		1140		440	821
ELLCTV102M	1000.0		1500		410	102

* 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)



Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.
Should a safety concern arise regarding this product, please be sure to contact us immediately.

00 Sep. 2010