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[ELL-6PV1R0N](#)

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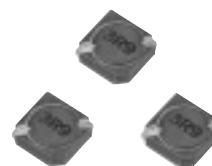
Choke Coils

SMD Choke Coils

Singapore

Series: **V**

Type: **ELL6PV**



Type ELL6PV

■ Features

- Thin type (height, 1.8 mm)
- Large current capability
- Low DC resistance

■ Recommended Applications

- Video, Audio, Mobile communications, Electric battery driven equipment
- As a decoupling choke coil in DC/DC converters (S.M.P.S)

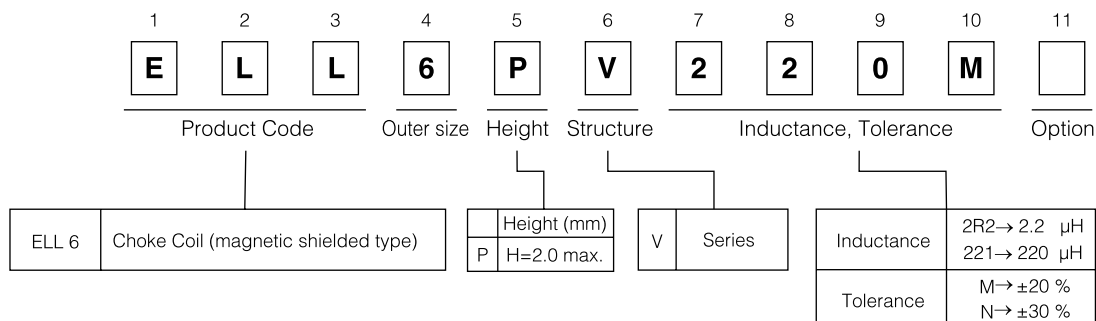
■ Cautionary Notes Regarding Usage in DC/DC converters

- Maximum Dissipation of 1 W.
- Maximum case temperature of 105 °C (Ambient & self-heating temperature)

■ Standard Packing Quantity

- 1000 pcs./Reel

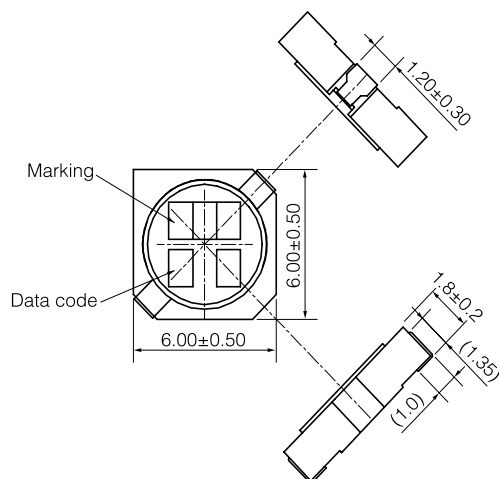
■ Explanation of Part Numbers



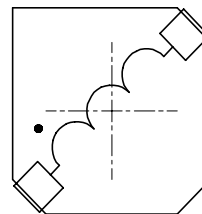
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Choke Coils

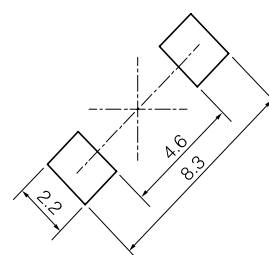
■ Dimensions in mm (not to scale)



■ Connections (Top view)



■ Recommended Land Pattern in mm (not to scale)



■ Standard Parts

Part No.	Inductance (100kHz)		RDC (at 20 °C)		*Current (mA) max.	Marking
	(μH)	Tolerance	(mΩ)	Tolerance		
ELL6PV1R0N	1.0	± 30 %	16	± 20 %	3000	1R0
ELL6PV1R5N	1.5		19		2600	1R5
ELL6PV1R8N	1.8		24		2500	1R8
ELL6PV2R4N	2.4		27		2150	2R4
ELL6PV3R3N	3.3		32		1900	3R3
ELL6PV3R9N	3.9		38		1800	3R9
ELL6PV4R7N	4.7		44		1700	4R7
ELL6PV5R6N	5.6		49		1450	5R6
ELL6PV6R8N	6.8		55		1250	6R8
ELL6PV8R2N	8.2		70		1150	8R2
ELL6PV9R1N	9.1	± 20 %	76		1100	9R1
ELL6PV100M	10.0		85		1000	100
ELL6PV120M	12.0		90		980	120
ELL6PV150M	15.0		120		880	150
ELL6PV180M	18.0		140		840	180
ELL6PV220M	22.0		200		700	220
ELL6PV270M	27.0		220		670	270
ELL6PV330M	33.0		280		600	330
ELL6PV390M	39.0		330		550	390
ELL6PV470M	47.0		370		500	470
ELL6PV560M	56.0		410		450	560
ELL6PV680M	68.0		570		420	680
ELL6PV820M	82.0		650		380	820
ELL6PV101M	100.0		750		340	101

* 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)