

SMD Choke Coils

Series: **N**
 Type: **ELCVEN**
ELCVFN



Type ELCVEN



Type ELCVFN

■ Features

- Low DC resistance and large current capability
- Shock resistant

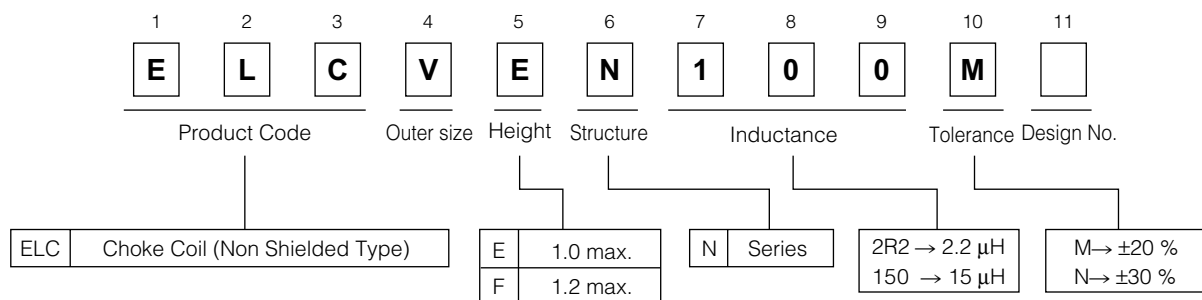
■ Recommended Applications

- DC-DC converter circuitry for computer peripherals and cellular phones.
- Chopper circuit decoupling chokes for DC-DC converter circuitry

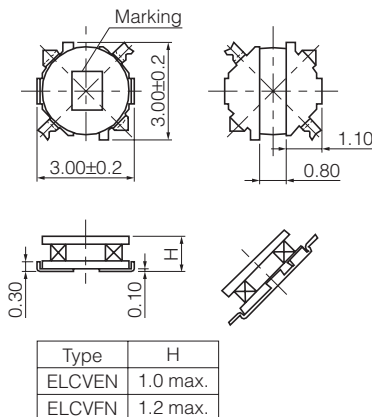
■ Standard Packing Quantity

- 2000 pcs./Reel

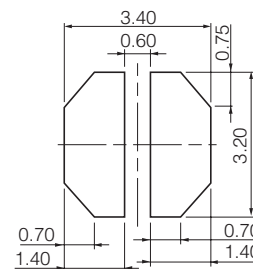
■ Explanation of Part Numbers



■ Dimensions in mm (not to scale)



■ Recommended land patterns in mm (not to scale)



Standard Parts

Series	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.			
VEN Series	ELCVEN1R0M	1.0	±20 %	73	±20 %	1750	1350	A
	ELCVEN1R2M	1.2		110		1500	1100	B
	ELCVEN2R0M	2.0		140		1200	1000	D
	ELCVEN3R3M	3.3		230		1000	850	E
	ELCVEN4R7M	4.7		340		800	630	H
	ELCVEN6R8M	6.8		430		700	560	K
	ELCVEN100M	10.0		690		550	440	M
	ELCVEN150M	15.0		1100		430	350	O
	ELCVEN220M	22.0		1380		400	310	R
VFN Series	ELCVFN1R0M	1.0	±20 %	63	±20 %	1500	1450	a
	ELCVFN1R5M	1.5		81		1250	1250	c
	ELCVFN2R2M	2.2		130		1000	1000	d
	ELCVFN3R3M	3.3		200		900	850	e
	ELCVFN4R7M	4.7		290		700	680	h
	ELCVFN6R8M	6.8		380		600	600	k
	ELCVFN8R2M	8.2		500		550	520	l
	ELCVFN100M	10.0		610		500	470	m
	ELCVFN150M	15.0		930		400	380	o
	ELCVFN220M	22.0		1180		330	330	r

*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)

