

Current sense Transformer CT01 100 261 x



- Materials meet UL94V-0 rating
- Global accuracy $\pm 10\%$
- Applied standards:
ESCC-3201 generic (including MIL-STD-202) / ECSS-Q-ST-70-02C and ESCC 3201 generic specification for space products
- Frequency range 10 kHz to 250 kHz
- Operating temperature range: -55°C to $+125^{\circ}\text{C}$
- Suited for I_R and vapor reflow soldering
- Weight: < 2 grams

Electrical Data (25°C)

ID Code	DCR _{1-3/2-4} mΩ $\pm 15\%$	DCR _{5-7/6-8} Ω $\pm 15\%$	L _{1/1-3} μH $\pm 40\%$	Insulation 500 V _{DC}
CT01 100 261 x	2.5	1	3.9	$>16\Omega$

Turn ratio	Schematic	I _p	I _s (vs=1V)	Z load
1/100		3,5 A	35 mA	33 Ω
1/50		3,5 A	70 mA	15 Ω

Notes

Typical performances at $+25^{\circ}\text{C}$
Storage Temperature -55°C to $+170^{\circ}\text{C}$ - 10 mn Max

Application

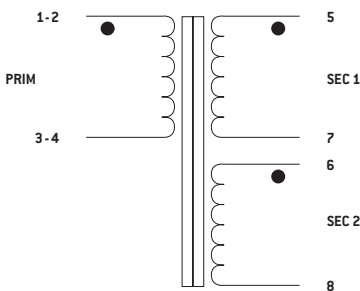
Current detection/measurement for PWM control (I_{sense}) in High-Rel. SMPS

To Order

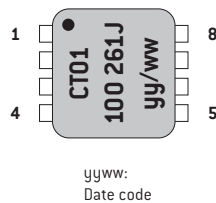
CT01 100	261	x
Range	Range	x = J J leaded x = W W Terminals

CT01 100 261 x

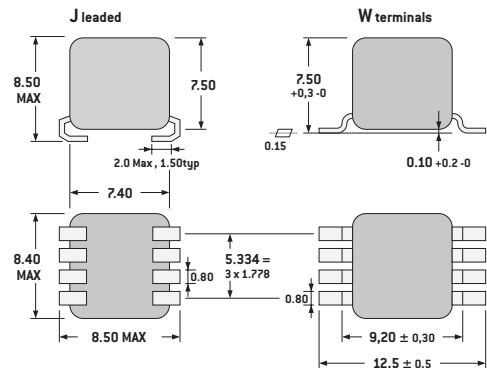
Connections



Marking



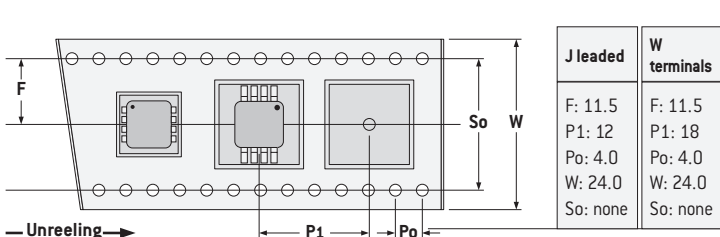
Dimensions (mm)



Packaging

Tape and Reel:

J leaded - 600 units per reel of diameter 330 mm
W terminals - 400 units per reel of diameter 330 mm



PCB Layout (mm)

