

Current sense Transformer, up to 10Apk - CT91 xxx 231 WR



- Vout/Ipk ratio: 1V/8A
- Global accuracy $\pm 5\%$ on E96 series load resistor
- Low profile and light
- Materials meet UL94V-0 rating
- Applied standards:
ESCC-3201 generic (including MIL-STD-202)/ECSS-Q-70-02
- Frequency range 6kHz to 500kHz triangle wave
- Operating temperature range: -55°C to +125°C
- Suited for IR and vapor reflow soldering
- Weight: 2grams

Electrical Data (25°C)

ID Code	Turn ratio	DCR ₁₋₂ mΩ	DCR ₃₋₄ Ω ±15%	L ₃₋₄ mH ±15%	Frequency range triangle wave	I _{pk} = I _{DC} +ΔI/2 max	Z Load 1% 1/W	Insulation 500VDC
CT91 050 231 WR	1/50	<2	0.95	0.4	22kHz to 500kHz	10	6.81Ω	>1GΩ
CT91 075 231 WR	1/75	<2	2.15	0.9	15kHz to 300kHz	10	10.2Ω	>1GΩ
CT91 100 231 WR	1/100	<2	3.70	1.6	9kHz to 200kHz	10	13.7Ω	>1GΩ
CT91 200 231 WR	1/200	<2	14.6	6.4	6kHz to 70kHz	10	27.4Ω	>1GΩ

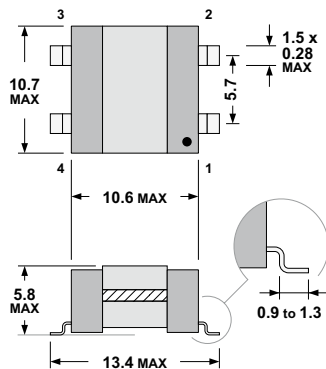
To Order

CT91		### 231 WR	
CT91	###	231	WR
Range	Turn ratio	Range	Gull wing highrel

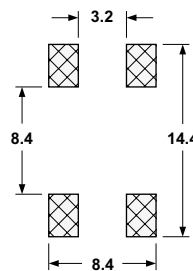
Notes

Typical performances at +25 °C
Storage Temperature -55 °C to +140 °C

Dimensions (mm, top view)

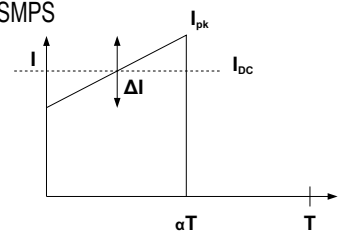


PCB Layout (suggested)

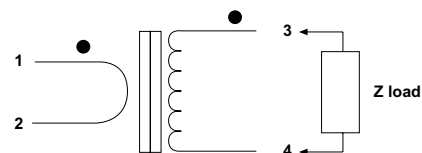


Application

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

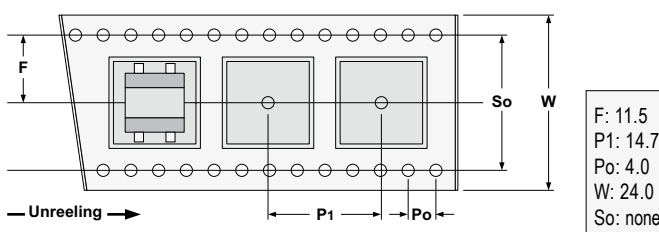


Connections

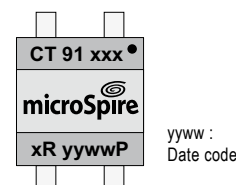


Packaging

Tape and Reel:
700 units per reel of diameter 330 mm



Marking



Current sense Transformer, 1/200/200 up to 17Apk - CT15 200 231 WR



- Global accuracy $\pm 5\%$
- Low profile and light
- Materials meet UL94V-0 rating
- Applied standards:
ESCC-3201 generic (including MIL-STD-202)/ECSS-Q-70-02
- Frequency range 6 kHz to 100 kHz triangle wave
- Operating temperature range: -55°C to $+125^{\circ}\text{C}$
- Suited for IR and vapor reflow soldering
- Weight: 6grams

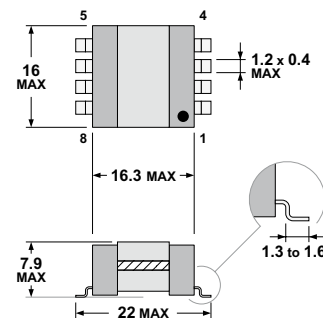
Electrical Data (25°C)

ID Code	DCR ₁₋₂ mΩ	DCR _{5-6/7-8} Ω $\pm 15\%$	L _{5-6/7-8} mH $\pm 10\%$	Insulation 500VDC
CT15 200 231 WR	1.1	21.8	6.4	>1GΩ

Turn ratio	Schematic	I _p	I _s	Z load
1/400		17 A	42.5 mA	27 Ω
1/200		17 A	85 mA	15 Ω

Dimensions

(mm, top view)



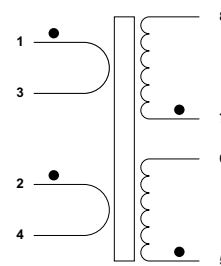
Notes

- Typical performances at $+25^{\circ}\text{C}$
- Storage Temperature: -55°C to $+170^{\circ}\text{C}$ / 7 mn
- Thermal index: 180°C

To Order

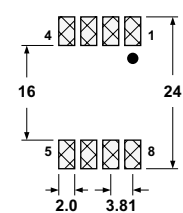
CT15	200	231	WR
Range	Turn ratio	Range	Gull wing highrel

Connections



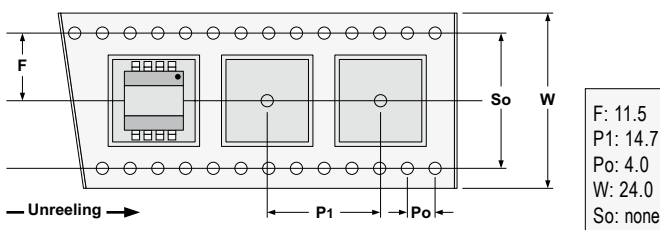
PCB Layout

(suggested)

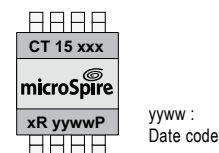


Packaging

Tape and Reel:
700 units per reel of diameter 330 mm



Marking



yyww :
Date code