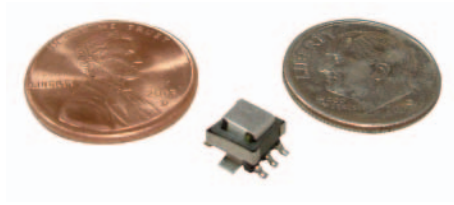


Current Sense Transformers

Up to 6 Amp Primary Current for High Frequency Applications

- Surface mount and low profile design.
- Pick and place compatible.
- Designed to operate at 250kHz and above.
- Hipot 500Vrms between primary and secondary.
- Operating temperature: -40°C to +85°C.



Specifications Measured at 25°C

Part #	Turns Ratio Pri:Sec	Inductance (µH) MIN @ 10kHz, 0.1V Secondary	DCR		Terminating Resistor (Ω) MAX Secondary
			Primary mΩ MAX	Secondary mΩ MAX	
TCS-01	1:20	80	6	0.55	20
TCS-02	1:30	180	6	0.87	30
TCS-03	1:40	320	6	1.14	40
TCS-04	1:50	500	6	1.50	50
TCS-05	1:60	720	6	1.75	60
TCS-06	1:70	980	6	4.75	70
TCS-07	1:100	2000	6	5.90	100
TCS-08	1:125	3000	6	7.70	125

¹ Above Terminating Resistor Calculation based on 1 Volt/Ampere

² To calculate terminating resistor (R_t)

$$R_t = (V \cdot N) / I$$

Where V - Output Voltage

I - Input Current

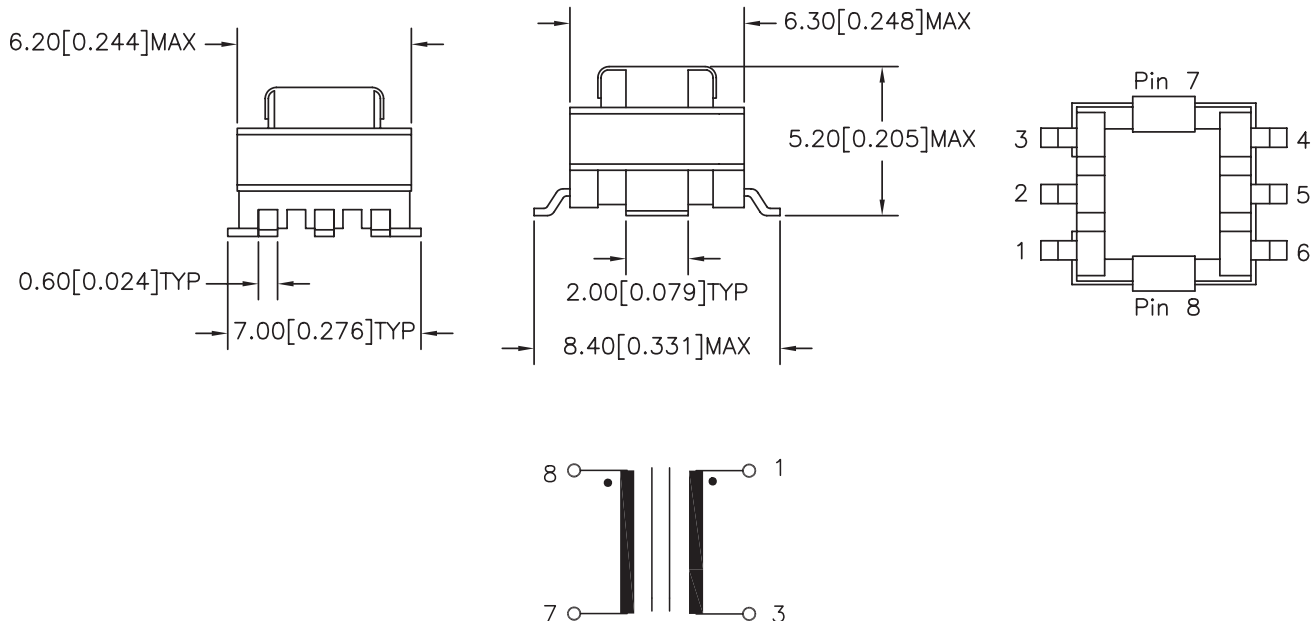
N - Number of Secondary turns

Package & Weight Information

QTY/Tape & Reel	Weight/each(g)
CALL	CALL

Mechanical Dimensions

All dimensions are typical, please contact Tamura for tolerances and suggested layout information.



TAMURA CORPORATION

43352 Business Park Drive. | P.O. Box 892230 Temecula, CA 92589-2230 | www.tamuracorp.com

USA

Tel: 800-872-6624
Fax: 909-676-9482

Japan

Tel: 81 (0)3 3978-2111
Fax: 81 (0)3 3923-0230

United Kingdom

Tel: 44 (0) 1380 731 700
Fax: 44 (0) 1380 731 702

Hong Kong

Tel: 852-2389-4321
Fax: 852-2341-9689