



Miniature SMT Transformers



Designed specifically for use with Maxim RS-232/RS-485 interface ICs, these miniature transformers are also suitable for gate drive and other power applications. They were designed to work with the MAX250, MAX251, MAX253 and MAX845 for providing power to the isolated side of the interface.

They feature 1500 Vrms isolation between windings in a miniature surface mount package. Each transformer has a cover that provides an excellent surface for automated placement.

In addition to the standard parts shown, Coilcraft can produce custom transformers with voltage, inductance and DCR values to meet your specific requirements. For more information, contact Coilcraft.

Part number ¹	Pri / sec voltage	Inductance min (μH)	Volt-time product typ (Vμsec)	DCR max (Ohms)		Isolation pri-sec (Vrms)	Turns ratio ²
Q4470-CL_	5 V to 5 V	400 (1-3)	27 (1-3)	0.950 (1-3)	1.25 (6-4)	1500 (1-4)	1 CT : 1.3 CT
S5394-CL_	5 V to 10 V	400 (1-3)	27 (1-3)	0.950 (1-3)	0.950 (6-4)	1500 (1-4)	1 CT : 1
U6982-CL_	3.3 V to 5 V	59 (1-3)	22 (1-3)	0.700 (1-3)	1.800 (6-4)	1500 (1-4)	1 CT : 2.1 CT

1. When ordering, please specify **packaging** code:

Q4470-CL D

Packaging: **D** = 13" machine-ready reel. EIA-481 embossed plastic tape (1000 per full reel).

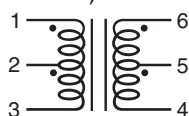
B = Less than full reel. In tape, but not machine ready.
To have a leader and trailer added (\$25 charge), use code letter D instead.

2. CT indicates center tap.

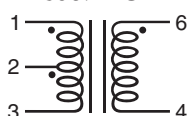
3. Operating temperature range -40°C to +85°C.

4. Electrical specifications at 25°C.

Q4470-CL, U6982-CL



S5394-CL



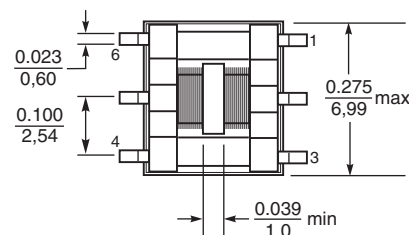
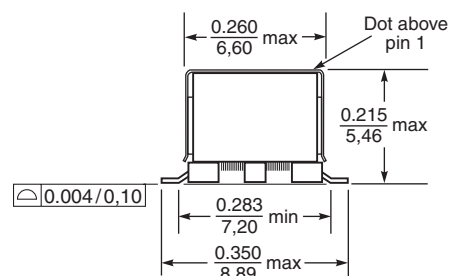
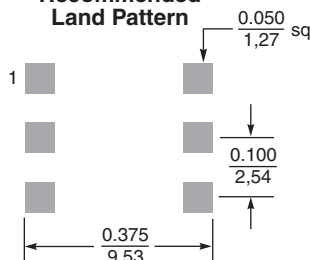
Weight: 540 mg

Terminations: Tin-silver over tin over nickel over phos bronze

Tape and reel 1000/13" reel 16 mm tape width

For packaging data see Tape and Reel Specifications section.

Recommended Land Pattern



Bottom View

Coilcraft®

Specifications subject to change without notice.
Please check our website for latest information.

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