



CS200 SERIES TRANSFORMERS



MIL-PRF-27

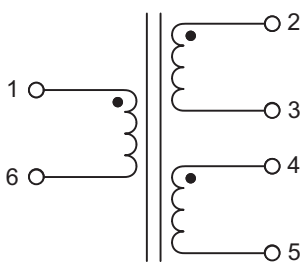
ELECTRICAL SPECIFICATIONS

- **Operating Temperature:** -55°C to +125°C
- **Storage Temperature:** -60°C to +130°C
- **Insulation Resistance:** 10K MOhms minimum
- **Different electrical values available upon request**
- **Dielectric Withstanding Voltage:** 500 V_{AC}

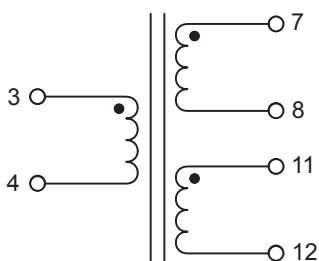
FEATURES

- **Compact**, low profile, ideal for automatic placement
- Built to meet **MIL-PRF-27** specifications
- **Low Thermal Expansion, Transfer Molded Package**
- **Terminations:** Tin-lead
- Other termination finishes available upon request
- **Welded Internal Connections**
- **Moisture, Shock and Immersion Resistant**
- **Resistance to Soldering Heat:** 265°C for 10 secs

SCHEMATIC A



SCHEMATIC B

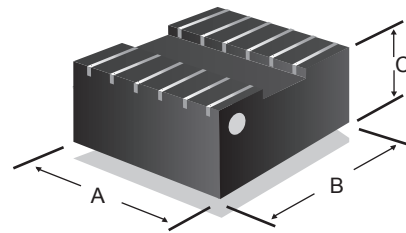


I _{PK} max (Amps)	ET (V-μS)	Turns Ratio
5 to 20	20 to 144	1:50 to 1:100

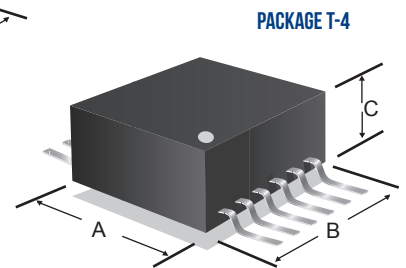
MARKINGS: LASER OR INK
ALL DIMENSIONS: INCHES

THRU-HOLE PACKAGES
ALSO AVAILABLE

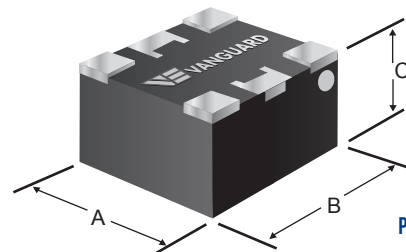
Package	A max.	B max.	C max.
T-2	.610	.610	.475
T-4	.610	.610	.475
G-2	.405	.405	.300



PACKAGE T-2



PACKAGE T-4



PACKAGE G-2

Vanguard P/N	* I _{PK} max (Amps)	ET ref (V-μS)	DCR max (Ohms)	Inductance ref (mH)	Package	Turns Ratio	Schematic
CS201	5	20	0.72	2.2	G-2	1:50:50	A
CS202	10	70	1.4	5.3	T-2	1:50:50	B
CS203	10	70	1.4	5.3	T-4	1:50:50	B
CS204	5	40	3.8	8.9	G-2	1:100:100	A
CS205	20	144	2.9	21.0	T-2	1:100:100	B
CS206	20	144	2.9	21.0	T-4	1:100:100	B

Inductance measured at 10 kHz, 0.1 V_{RMS}
* Signal generated is a 25% duty cycle pulse wave

CUSTOM DESIGNS & MODIFICATIONS:

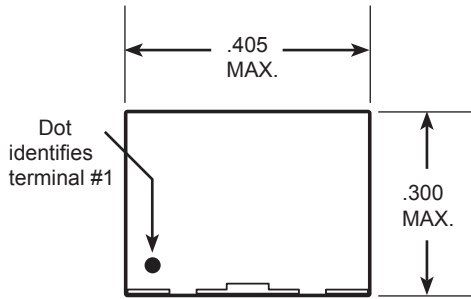
Other electrical configurations and performance characteristics are available in various sizes and package types



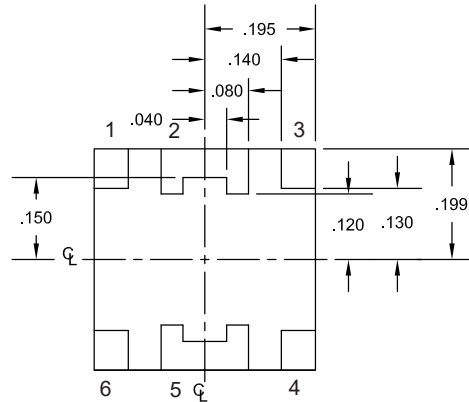


G-2 PACKAGE

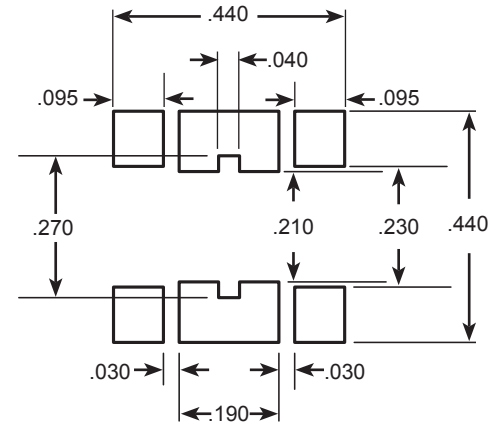
SIDE VIEW



BOTTOM VIEW

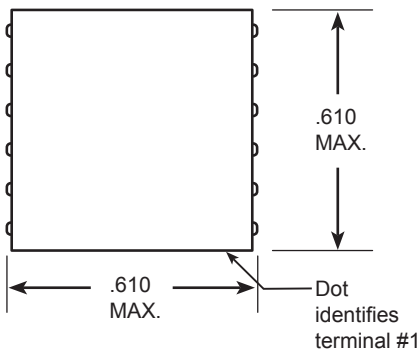


RECOMMENDED MOUNTING PAD CIRCUIT SIDE

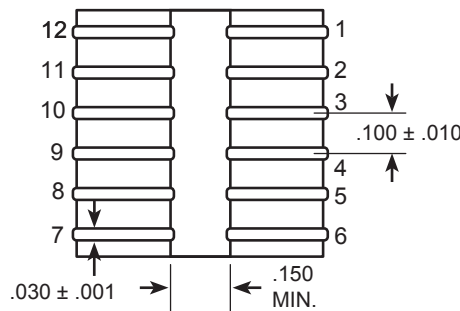


T-2 PACKAGE

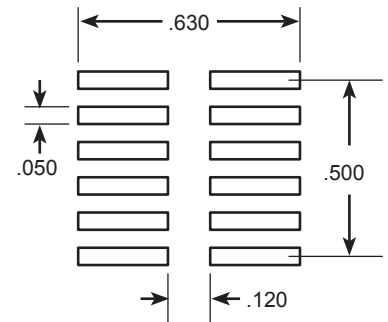
TOP VIEW



BOTTOM VIEW

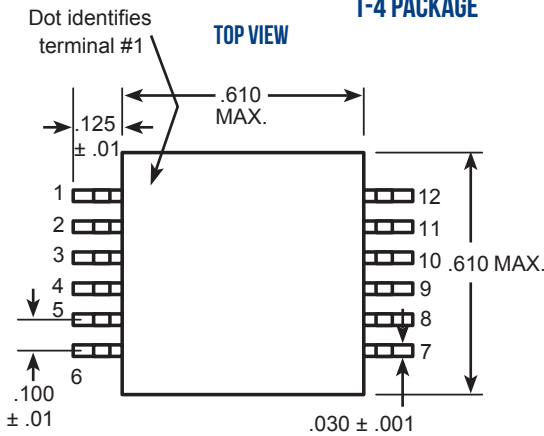


RECOMMENDED MOUNTING PAD CIRCUIT SIDE

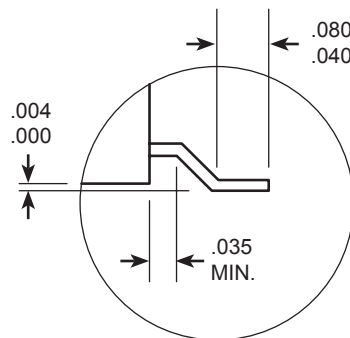


T-4 PACKAGE

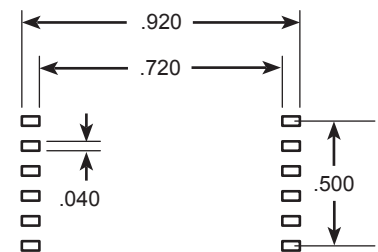
TOP VIEW



MAGNIFIED SIDE VIEW



RECOMMENDED MOUNTING PAD CIRCUIT SIDE



CUSTOM DESIGNS & MODIFICATIONS:

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