



GD200 SERIES

GATE DRIVE TRANSFORMER



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**

FEATURES

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

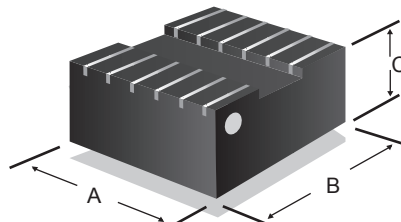
APPLICATIONS

- Power supplies
- DC/DC converters
- SEPIC converters

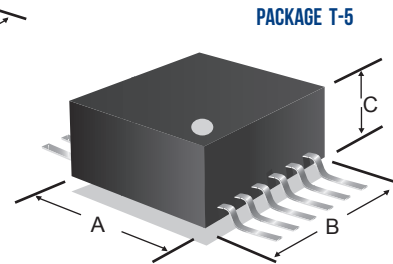
ET (V-μS)	DCR max (Ohms)	Inductance ref (mH)
37.5 to 75	0.24 to 1.9	2.8 to 4.1

MARKINGS: LASER OR INK
ALL DIMENSIONS: INCHES

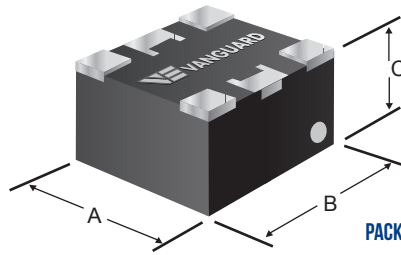
THRU-HOLE
PACKAGES ALSO AVAILABLE



PACKAGE T-3



PACKAGE T-5



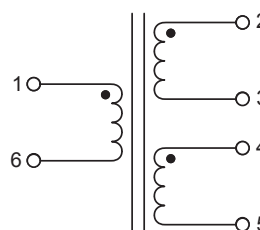
PACKAGE G-2

Package	A max.	B max.	C max.
T-3	.750	.750	.475
T-5	.750	.750	.475
G-2	.405	.405	.300

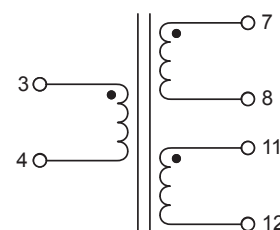
Vanguard P/N	ET ref (V-μS)	DWV min (V)	DCR max (Ohms)	Inductance ref (mH)	Turns Ratio	Package	Schematic
GD201	75.0	1000	0.25	2.8	1:1:1	T-3	2
GD202	75.0	1000	0.24	2.8	1:1:1	T-5	2
GD203	37.5	300	1.9	4.1	1:1:1	G-2	1

Inductance measured at 10 kHz, 0.1 V_{RMS}

SCHEMATIC 1



SCHEMATIC 2



CUSTOM DESIGNS & MODIFICATIONS:

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

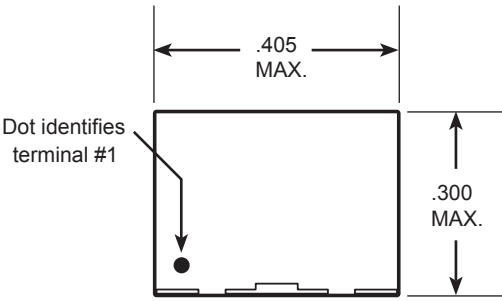
GD200 SERIES



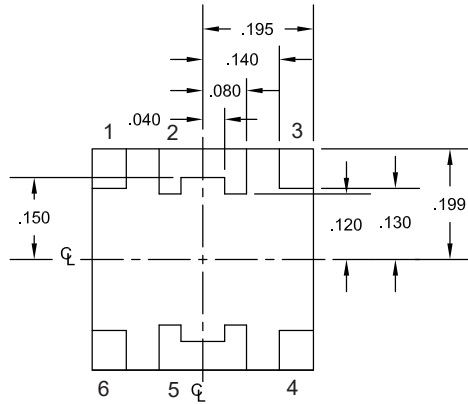


G-2 PACKAGE

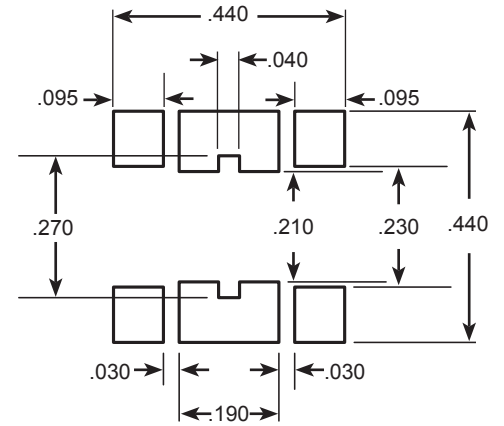
SIDE VIEW



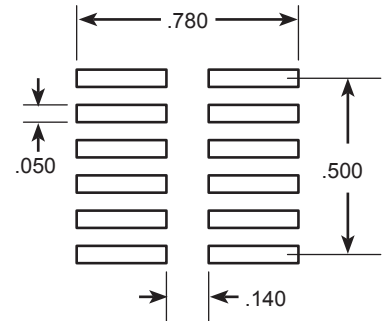
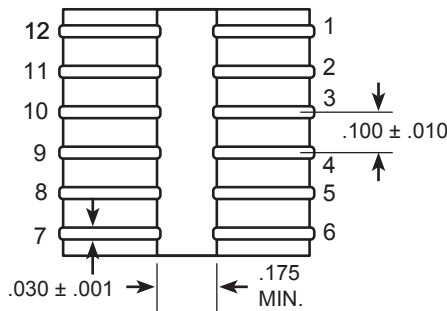
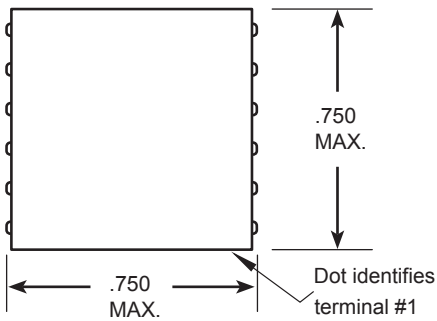
BOTTOM VIEW



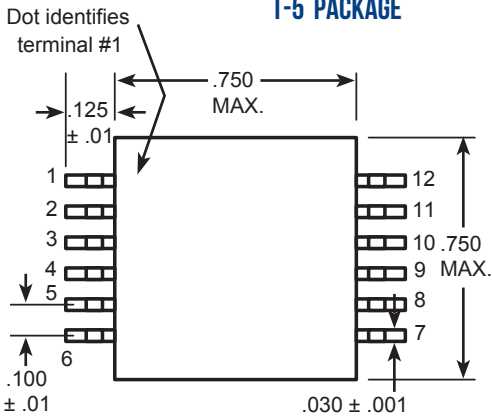
RECOMMENDED MOUNTING PAD CIRCUIT SIDE



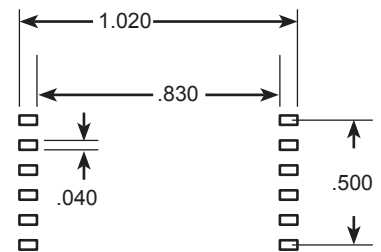
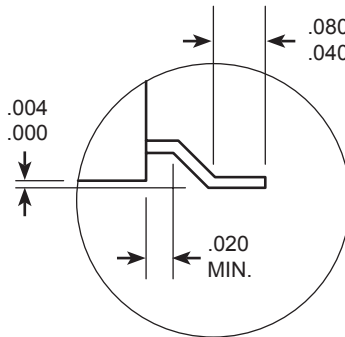
T-3 PACKAGE



T-5 PACKAGE



MAGNIFIED SIDE VIEW



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