



PT SERIES

PULSE TRANSFORMER



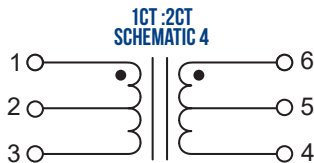
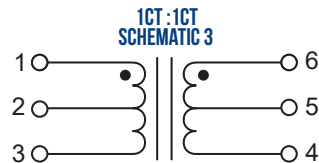
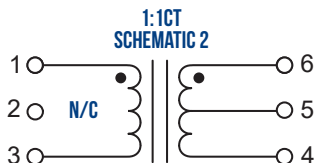
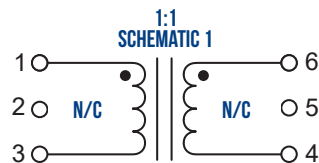
MIL-PRF-27

ELECTRICAL SPECIFICATIONS

- **Operating Temperature:** -55°C to +125°C
- **Storage Temperature:** -60°C to +135°C
- **Bandwidth:** 50 KHz - 90 MHz
- **Interwinding Capacitance:** 18 pF
- **Low Leakage Inductance:** 150 nH max
- **Insulation Resistance:** 10K MOhms min
- **Dielectric Withstanding Voltage:** 500 V_{Ac} min
- **Different electrical values available upon request**

FEATURES

- **Compact, low profile, ideal for automatic placement**
- **Built to meet MIL-PRF-27 specification**
- **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



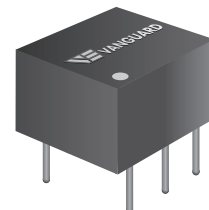
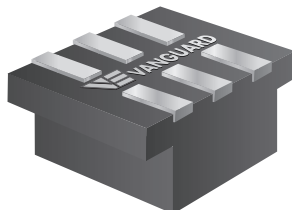
CUSTOM DESIGNS & MODIFICATIONS:

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

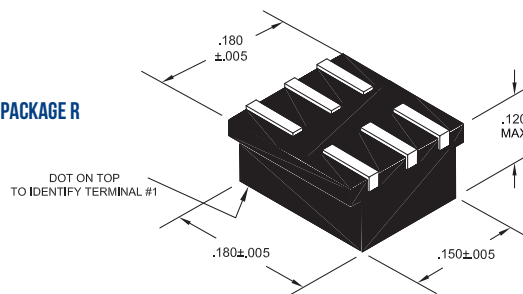
Inductance min (uH)	DCR max (Ohms)	3dB Bandwidth (MHz)
70 to 100	0.20 to 0.25	.05 - 90

MARKINGS: LASER OR INK
ALL DIMENSIONS: INCHES

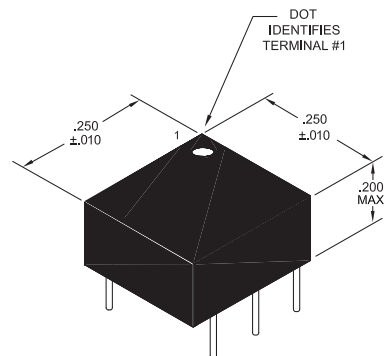
GULLWING PACKAGES
ALSO AVAILABLE



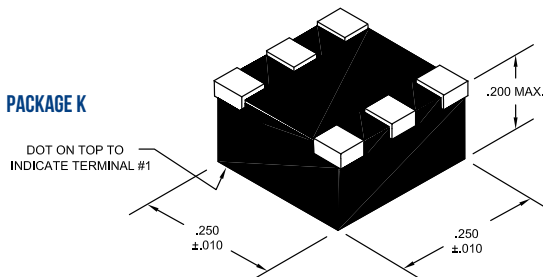
PACKAGE R



PACKAGE P



PACKAGE K



PT SERIES



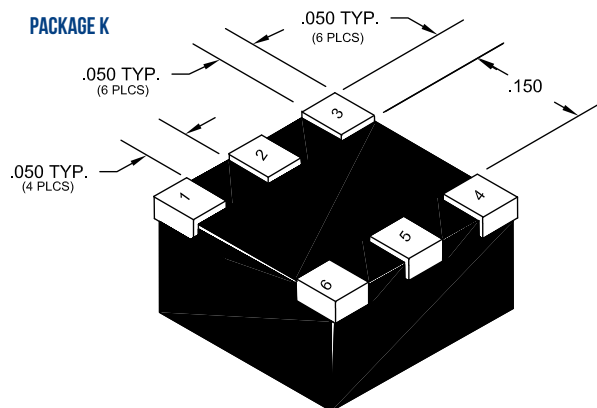
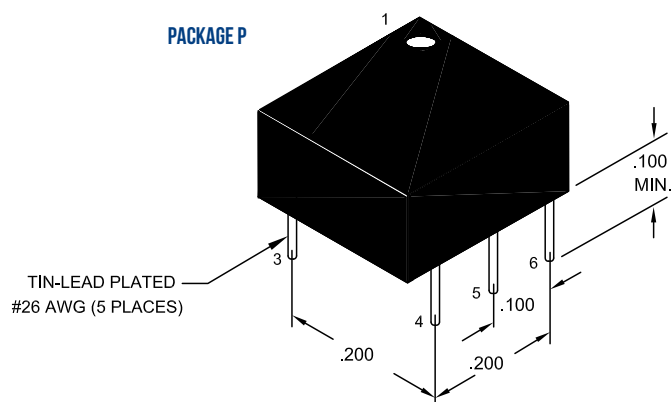
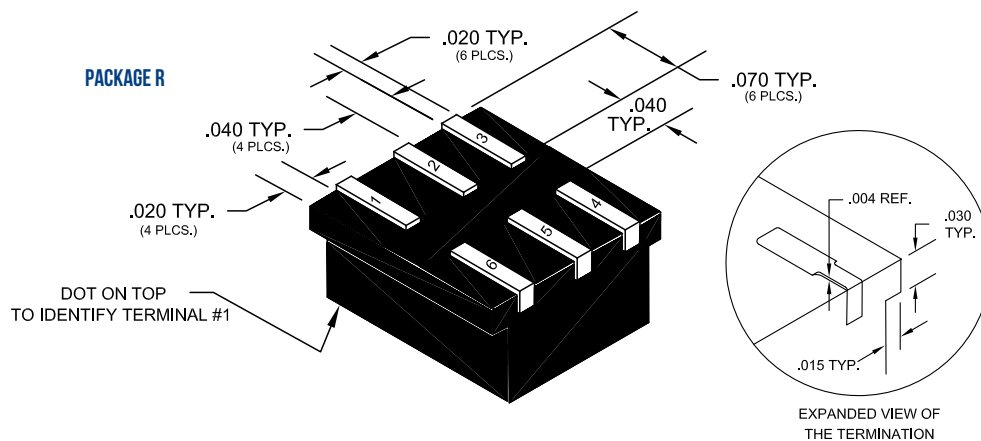


DATA TABLE

Vanguard P/N	Turns Ratio	Inductance min (uH)	Pri. ET min (V-us)	DCR Pri. max (ohms)	DCR Sec. max (ohms)	Schematic	Package
PT101*	1:1	80	1.5	0.22	0.22	1	R
PT102*	1:1CT	80	2	0.25	0.25	2	R
PT103*	1CT:1CT	70	2.5	0.25	0.25	3	R
PT201	1:1	100	2	0.20	0.20	1	K
PT202	1:1CT	90	2	0.20	0.20	2	K
PT203	1CT:1CT	80	2.5	0.20	0.20	3	K
PT204	1CT:2CT	70	2.5	0.20	0.40	4	K
PT301	1:1	100	2	0.20	0.20	1	P
PT302	1:1CT	90	2	0.20	0.20	2	P
PT303	1CT:1CT	80	2.5	0.20	0.20	3	P
PT304	1CT:2CT	70	2.5	0.20	0.40	4	P

Inductance measured at 100 kHz, 0.1 V_{RMS}

*Interwinding capacitance: 15 pF max



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