



FB300 SERIES FLYBACK 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
- **Dielectric Withstanding Voltage:** 100 V_{AC}
- **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 coated
- **Welded Internal Connections**
- **Moisture, Shock and Immersion Resistant**
- **Resistance to Soldering Heat:** 265°C for 10 secs
- **Other termination finishes available**

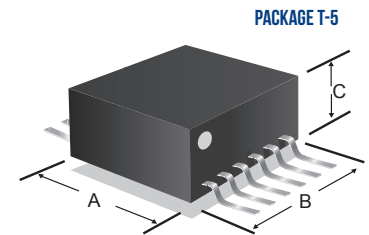
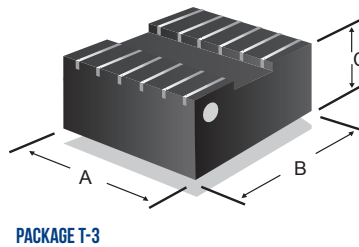
I _{Peak} (Amps)	Primary Inductance (uH)	Turns Ratio
2.06	25 to 60	1: 0.32 to 1: 1.25

MARKINGS: LASER OR INK

THRU-HOLE PACKAGES
ALSO AVAILABLE

Package	A max.	B max.	C max.
T-3	.750	.750	.475
T-5	.750	.750	.475

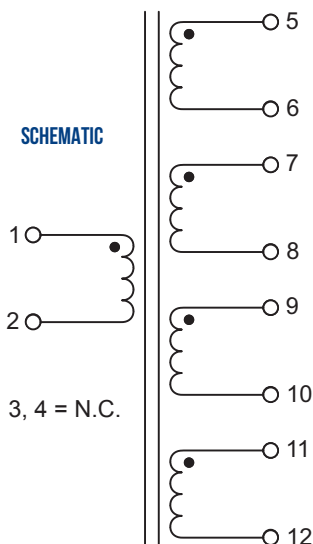
Measurements are in Inches.



Vanguard P/N	V _{out1} (Volts)	V _{out2} (Volts)	V _{out3} (Volts)	V _{out4} (Volts)	I _{out1} (Amps)	I _{out2} (Amps)	I _{out3} (Amps)	I _{out4} (Amps)	Primary DCR max (Ohms)	Sec 1 DCR max (Ohms)	Sec2 DCR max (Ohms)	Sec 3 DCR max (Ohms)	Sec 4 DCR max (Ohms)	Package
FB301*	5.0	12	-12	24	0.20	0.10	0.10	0.10						T-3
FB302*	5.0	12	-12	24	0.20	0.10	0.10	0.10	Will be released when available					T-5
FB303**	5.0	12	-12	24	0.30	0.15	0.15	0.10						T-3
FB304**	5.0	12	-12	24	0.30	0.15	0.15	0.10	0.100	0.125	0.251	0.251	0.52	T-5

*Primary Inductance: 60 uH I_{in} Peak: 1.65 Amps V_{in} @ 100 KHz: 20-32 V_{DC} Turns Ratio: 1 : 03 : 0.66 : 0.66 : 1.25

**Primary Inductance: 25 uH I_{in} Peak: 2.06 Amps V_{in} @ 200 KHz: 20-35 V_{DC} Turns Ratio: 1 : 0.32 : 0.61 : 0.61 : 1.25



CUSTOM DESIGNS & MODIFICATIONS:
Other electrical configurations and performance characteristics are available in various sizes and package types



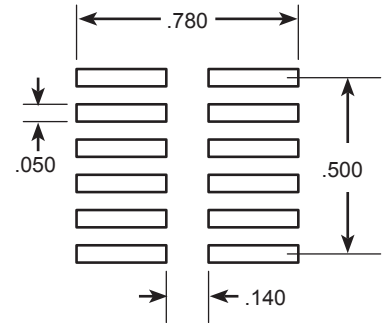
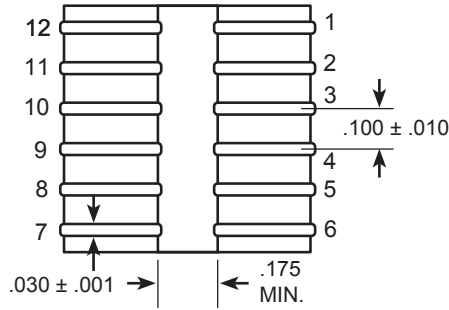
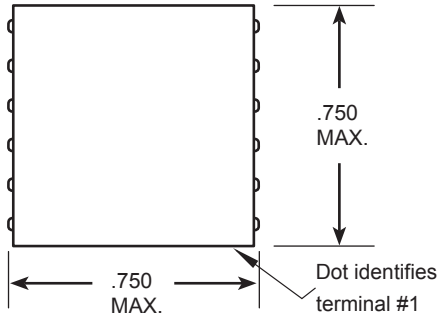


TOP VIEW

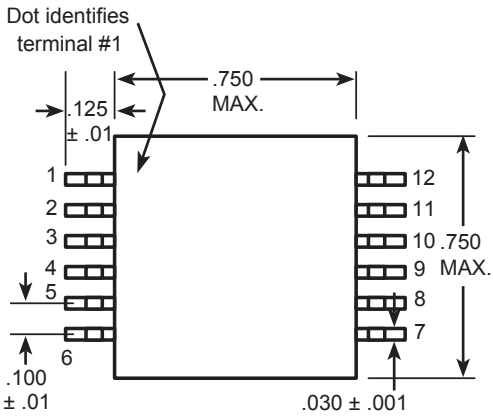
BOTTOM VIEW

RECOMMENDED PAD MOUNTING

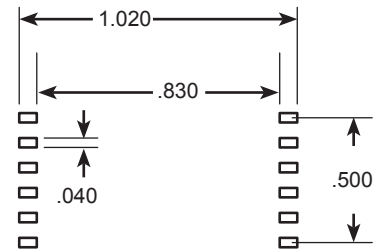
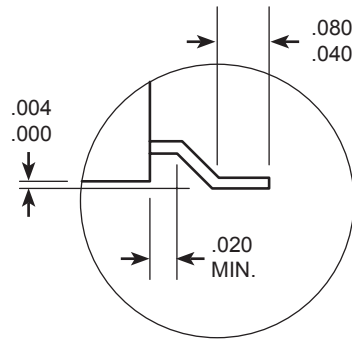
T-3 PACKAGE



T-5 PACKAGE



MAGNIFIED SIDE VIEW



FB300 SERIES

