



## FB 100 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<sub>AC</sub>
- **Different electrical values available upon request**

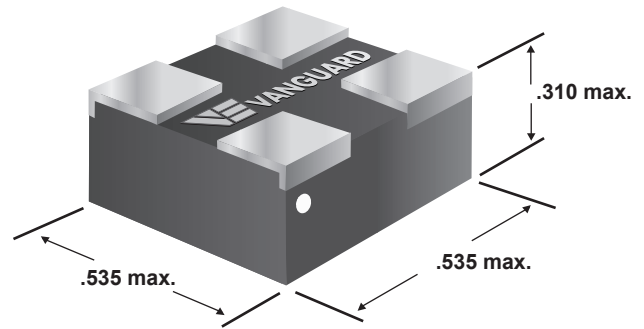
### FEATURES

- **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**

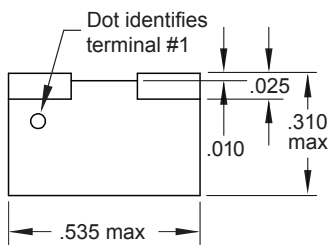
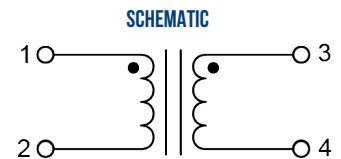
I <sub>peak</sub> (Amps)	Primary Inductance (uH)	Turns Ratio
5.5	5	1:1 to 1:6.25

MARKINGS: LASER OR INK

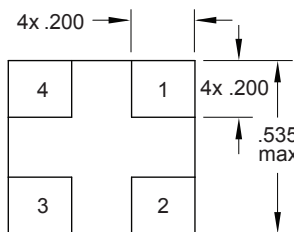
THRU-HOLE PACKAGES  
ALSO AVAILABLE



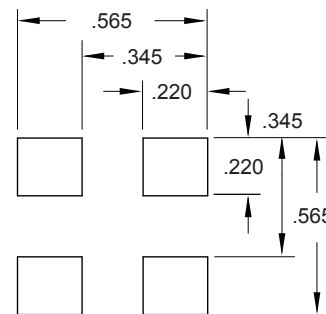
Vanguard P/N	I <sub>peak</sub> max (Amps)	Primary Inductance (uH)	V <sub>in</sub> @100 KHz V <sub>DC</sub>	Turns Ratio	V <sub>out</sub> 1 V <sub>DC</sub>	I <sub>out</sub> 1 A <sub>DC</sub>	Primary DCR max (Ohms)	Secondary DCR max (Ohms)
FB101	5.5	5	4 - 8	1:1	3.3	1.2	0.017	0.030
FB102	5.5	5	4 - 8	1:1.5	5.0	0.8	0.017	0.067
FB103	5.5	5	4 - 8	1:3.25	12.0	0.35	0.017	0.365
FB104	5.5	5	4 - 8	1:6.25	24.0	0.18	0.017	1.15



SIDE



BOTTOM



RECOMMENDED PAD LAYOUT

### CUSTOM DESIGNS & MODIFICATIONS:

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

## FB 100 SERIES

