4kV Reinforced Isolation Transformer

Reinforced Insulation Isolation Modules for DC/DC Converter Circuits

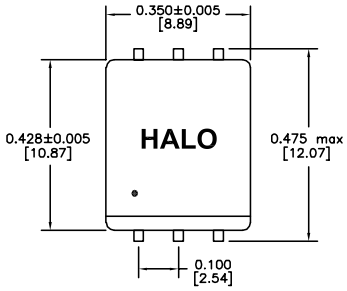
HALO ELECTRONICS, INC.

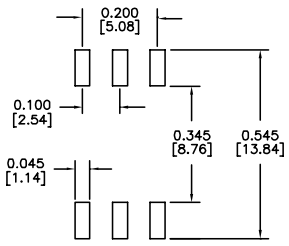
Product Features:

- Designed for Isolated Push-Pull DC/DC Circuits
- Cost-Effective Reinforced Transformer
- UL60950/UL62368 Recognized for Reinforced Insulation
- Minimim 4mm Clearance/Creepage Distance for 300VAC Working Voltages

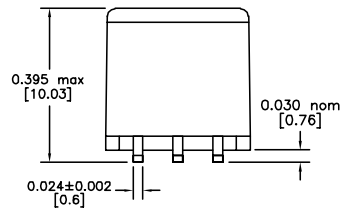
Part Number	Turns Ratio	Input Current (PRI max)	PRI OCL (µH typ)	PRI DCR (Ωmax)	Isolation Voltage (Vrms)	ET Constant (PRI min)	Temp. Range
TGRDC-F10V5LF	1CT:0.5CT	300mA	600	0.8	4,000	22V-µs	-40 to +85°C
TGRDC-F30V5LF	1CT:0.75CT	300mA	384	0.7	4,000	18V-µs	-40 to +85°C
TGRDC-F40V5LF	1CT:1.33CT	300mA	600	0.8	4,000	22V-µs	-40 to +85°C
TGRDC-F50V5LF	1CT:1CT	300mA	600	0.8	4,000	22V-µs	-40 to +85°C
TGRDC-F55V5LF	1CT:1.5CT	300mA	600	0.8	4,000	22V-µs	-40 to +85°C
TGRDC-F60V5LF	1CT:2CT	300mA	600	0.8	4,000	22V-µs	-40 to +85°C
TGRDC-F70V5LF	1CT:1.6CT	300mA	600	0.8	4,000	22V-µs	-40 to +85°C
TGRDC-F75V5LF	1CT:1.75CT	300mA	384	0.7	4,000	18V-µs	-40 to +85°C
TGRDC-F80V5LF	1CT:2.66CT	300mA	600	0.8	4,000	22V-µs	-40 to +85°C

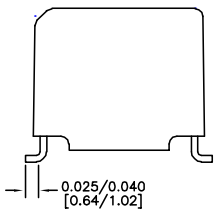
Notes:
- Please contact the factory or representative for individual datasheets or additional information
- For medical applications please contact factory at info@haloelectronics.com or (650) 903-3800



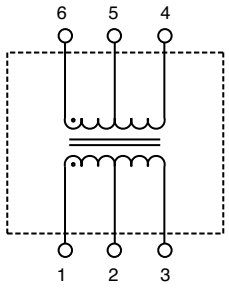


Recommended Solder Pad Dimensions





Circuit Diagram



(PRIMARY)

Dimensions: inch [mm]
Co-planarity: 0.004" [0.1]
Tolerances: ±0.005" [0.13mm] if not specified

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(650) 903-3800
www.haloelectronics.com

HALO® Electronics is a leading supplier of high quality communication magnetics including signal transformers, filters, CMR chokes, PoE power transformers, DC/DC converters, and integrated Ethernet connectors. HALO's leading edge technology solutions are manufactured in ISO9001 and ISO14001 factories offering high quality products at a competitive price.

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