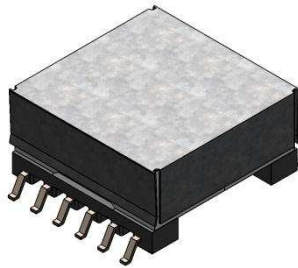


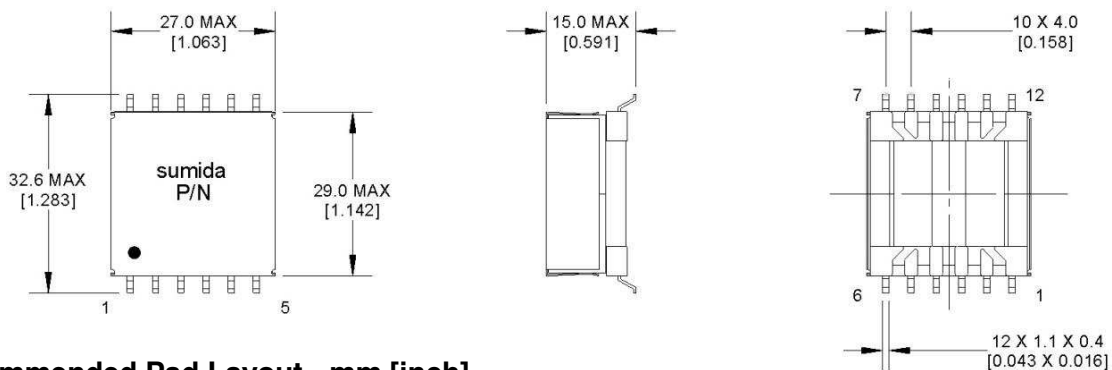
Boundary Mode Flyback Transformer for 100V Isolated Flyback Controller of Linear Tech LT3748 Solution



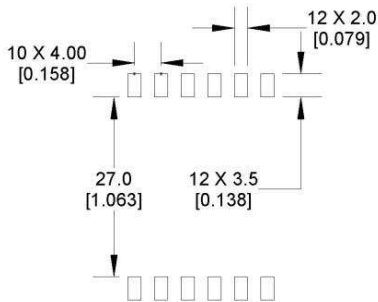
Description

- CEFD2513B Series Transformer.
- Standard EFD core construction.
- L × W × H: 32.6 × 27.0 × 15.0mm Max.
- Suited for a wide variety of industrial, automotive, medical, telecom, datacom applications, where regulated isolated outputs are required.

Dimensions – mm [inch]



Recommended Pad Layout - mm [inch]



Electrical Characteristics

Part Number	Electrical Parameters			Turns Ratio (np/ns)		Inductance (uH)	Leakage Inductance Max. (uH)	DCR (mΩ Max.)		
	Vin (Pri.)	Vout (Sec)	Vout (Aux)	Pri:Aux	Pri:Sec	Pri.	Pri.	Pri.	Sec.	Aux.
10393-T029	(1-4) 5~100V	(10,11,12-7,8,9) 12V, 3.5A	(5-6) 12V, 0.025A	(1-4):(5-6) 7.0:1.0	(1-4): (10,11,12-7,8,9) 7.0:1.0	(1-4) 400	(1-4), (Tie 5+6+7+8+9+10+11+12), (Tie 2+3) 6.5	(1-4) 300	(10,11,12-7,8,9) 15	

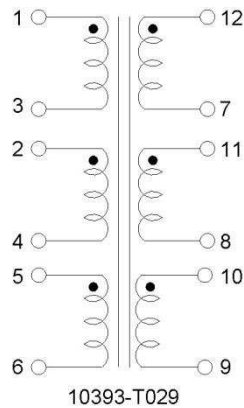
※1. Operating and storage temperature unless otherwise noted: -40°C to +85°C

※2. Primary to secondary isolation rating is 2500Vrms unless otherwise noted.

※3. Maximum switching frequency at full load: 155kHz, Minimum switching frequency at full load: 55kHz



Schematics



- ※1. ●Dots indicate polarity.
- ※2. (1-3) and (2-4) will be connected in series; (12-7), (11-8), (10-9) will be connected in parallel.

I.C. References

Linear Technology Solution	Sumida Part No.
DC1745A Demo Board Powering LT3748	10393-T029

- ※1. Please contact your regional sales office for additional information/details.

Please refer to the sales offices on our website - <http://www.sumida.com>

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