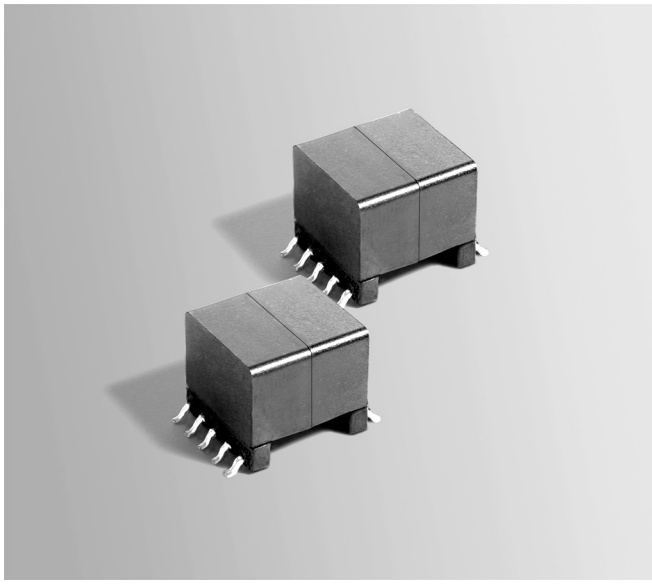
NEW!

RoHS COMPLIANT

Flyback Transformer

For STMicroelectronics STEVAL-ILL055V1



- Developed for STMicroelectronics STEVAL-ILL055V1 offline LED drive
- Input voltage: 185 – 264 Vac
- 1500 Vrms, one minute isolation from the primary and aux windings to the secondary winding

Core material Ferrite
Terminations RoHS tin-silver over tin over nickel over phos bronze.
Weight 6.2 g
Ambient temperature –40°C to +85°C
Maximum part temperature +125°C (ambient + temp rise)
Storage temperature Component: –40°C to +125°C. Tape and reel packaging: –40°C to +80°C
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
Failures in Time (FIT) / Mean Time Between Failures (MTBF) 38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332
Packaging 175 per 13″ reel Plastic tape: 32 mm wide, 0.5 mm thick, 28 mm pocket spacing, 12.93 mm pocket depth
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

Part number[1]	Power (W)	Inductance at 0 A[2] ±10% (mH)	DCR max (Ohms)[3] pri	sec	aux	Leakage inductance[4] max (µH)	Turns ratio pri : sec	pri : aux	Output[5]
PA6284-AL_	11	1.40	3.03	0.085	0.57	25	1 : 0.136	1 : 0.144	12 – 18 V, 0.64 A

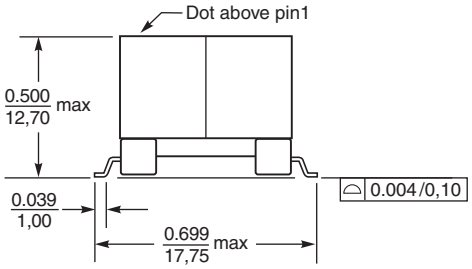
1. When ordering, please specify **packaging** code:

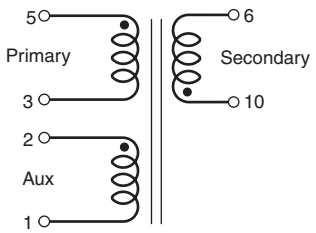
PA6284-ALD

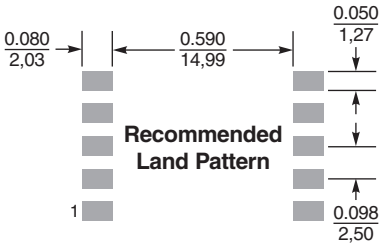
Packaging: D = 13″ machine-ready reel. EIA-481 embossed plastic tape (175 parts per full reel).
B = Less than full reel. In tape, but not machine ready. To have a leader and trailer added ($25 charge), use code letter D instead.

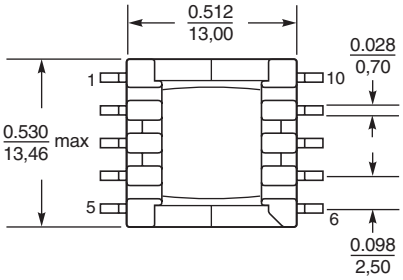
2. Inductance measured at 100 kHz, 1.0 Vrms, 0 Adc.
3. DCR for the secondary is with windings connected in parallel.
4. Leakage inductance is for the primary and is measured with the secondary shorted.
5. Output is of the secondary winding. Aux winding output is 20 V, 10 mA.
6. Electrical specifications at 25°C.

Refer to Doc 362 “Soldering Surface Mount Components” before soldering.









Dimensions are in inches / mm

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