Flyback Transformer
For TI LM5071 & LM5072 PD Controllers

• Dual-output flyback transformer for Power over Ethernet
• Operates in continuous mode at 250 kHz with 14 – 60 V input
• 2000 Vrms isolation from primary and auxiliary to secondaries

Core material Ferrite
Terminations RoHS compliant tin-silver over tin over nickel over phosph bronze. Other terminations available at additional cost.
Weight 6.35g
Ambient temperature –40°C to +85°C
Storage temperature Component: –40°C to +85°C.
Tape and reel packaging: –40°C to +80°C
Resistance to soldering heat Max 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 with pure water or alcohol only. For other solvents, see Doc787_PCB_Washing.pdf

Part number L at 0 A2 L at Ipk3 DCR max (Ohms) Leakage L4 max (µH) Turns ratios Ipk3 (A) Outputs
DA2257-AL_ 35.0 30.0 0.225 (aux) 0.95 2 : 1 (pri : aux) 2.7 10 V, 0.05 A (aux)
0.138 (gate) 3.6 : 1 (pri : gate) 5.5 V, 0.05 A (gate)
0.010 (sec 1) 6 : 1 (pri : sec1) 3.3 V, 2.0 A (sec 1)
0.018 (sec 2) 3.6 : 1 (pri : sec 2) 5.0 V, 1.0 A (sec 2)
0.062 (pri)

1. When ordering, please specify packaging code:
DA2257-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 is for the primary, measured at 250 kHz, 0.2 Vrms, 0 Adc.
3. Ipk is peak primary current drawn at minimum input voltage.
4. Leakage inductance is for the primary winding with all other pins shorted.
5. Electrical specifications at 25°C.

Dimensions are in inches mm

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