Flyback Transformers For TI TPS23753 PoE Interface and Converter Controller

These three parts are improved versions of the HA3801-AL, HA3802-AL and HA3803-AL, which are not recommended for new designs.

- Windings optimized for hiccup overload protection
- 1500 Vrms, one minute isolation primary and bias to secondary windings

Core material Ferrite
Terminations RoHS tin-silver (96.5/3.5) over tin over nickel over phos bronze. Other terminations available at additional cost.

Weight 5.0 – 5.3 g
Ambient temperature –40°C to +125°C
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
200 per 13” reel Plastic tape: 44 mm wide, 0.4 mm thick, 28 mm pocket spacing, 9.6 mm pocket depth

PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

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