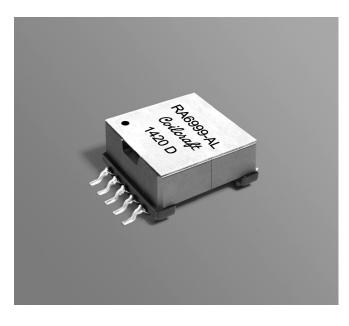


Forward Mode Transformer For Maxim MAX17599 PWM Controller



- Forward mode transformer for the Maxim MAX17599 Active Clamp Current-Mode PWM Controller
- 18 36 V input; 12 V, 3.3 A output
- 1500 Vrms, one minute isolation from primary to secondary and gate windings
- Specified on reference design MAXREFDES48# Core material Ferrite

Terminations RoHS tin-silver (96.5/3.5) over tin over nickel over phos bronze.

Weight 10.5 g Ambient temperature -40°C to +85°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 175 per 13" reel Plastic tape: 44 mm wide, 0.4 mm thick, 28 mm pocket spacing, 11.9 mm pocket depth PCB washing Tested with pure water or alcohol only. For other solvents, see Doc787_PCB_Washing.pdf.

Inductance Leakage DCR max (mOhms) **Turns ratio** Part at0A² inductance Output³ number¹ min(µH) pri sec gate max (µH) pri : sec pri : gate RA6999-AL 70 29.5 12 V. 3.3 A 20.5 36.4 0.35 1:1.125 1:0.375

1. When ordering, please specify a packaging code:

RA6999-ALD

Packaging: D = 13" machine ready reel. EIA-481 embossed plastic tape (175 parts per full reel).

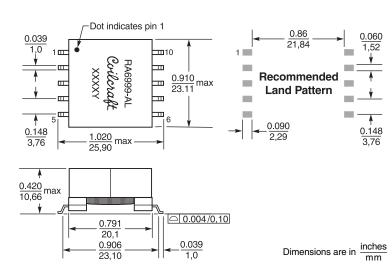
B = Less than full reel. In tape, but not machine ready. To have a leader and trailer added (\$25 charge), use code letter D instead.

2. Inductance is measured at 250 kHz, 0.1 Vrms.

3. Output is for the secondary winding. Output of the gate winding is 4 V, 0.25 A

4. Electrical specifications at 25°C.

Refer to Doc 362 "Soldering Surface Mount Components" before soldering.





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