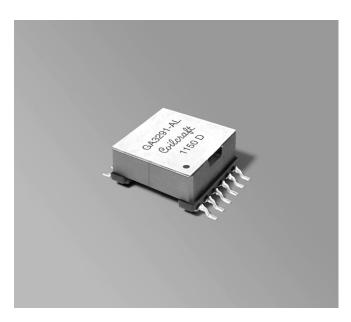


For Akros AS1130 PoE Controller



- Developed for Akros Silicon AS1130, 30 W PoE Controller with Integrated DC-DC Conversion
- Designed for forward topology operating at 350 kHz
- 1500 Vrms, one minute isolation from primary to secondary

Core material Ferrite

Terminations RoHS tin-silver over tin over nickel over phos bronze. Other terminations available at additional cost.

Weight 10.7 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)

Packaging 175 per 13" reel Plastic tape: 44 mm wide, 0.4 mm thick, 32 mm pocket spacing, 11.9 mm pocket depth

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

Part	Inductance ²	DCR max (Ohms) ³		Leakage inductance ⁴	Input voltage	Turns ratio⁵	i	Input filter	Output filter
number ¹	±25% (μΗ)	pri	sec	max (µH)	range (V)	pri : sec	Output	inductor	inductor
GA3291-AL_	203	0.065	0.031	0.215	36 – 57	1:0.923	12 V, 2.5 A	DO1608C-103	MSS1278-683

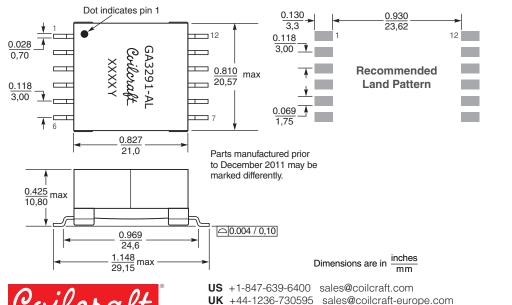
1. When ordering, please specify a packaging code:

www.coilcraft.com

GA3291-ALD

- Packaging: D = 13" machine ready reel. EIA-481 embossed plastic tape (175 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer (\$25 charge).
 - B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.
- 2. Inductance is measured at 300 kHz, 0.6 Vrms, 0 Adc.
- 3. DCR for the primary is measured from pin 1 to pin 3.
- 4. Leakage inductance is for the primary (pin 1 to pin 3) and is measured with the secondary shorted.
- 5. Turns ratio is based on the entire the primary winding (pin 1 to pin 3).
- 6. Electrical specifications at 25°C.

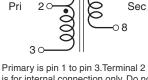
Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



Taiwan +886-2-2264 3646 sales@coilcraft.com.tw

China +86-21-6218 8074 sales@coilcraft.com.cn

Singapore + 65-6484 8412 sales@coilcraft.com.sg



is for internal connection only. Do not connect terminal 2 to ground or any circuitry.

Document 674 Revised 11/17/21

© Coilcraft Inc. 2021 This product may not be used in medical or high risk applications without prior Coilcraft approval. Specification subject to change without notice. Please check web site for latest information.