



Mid-Span PoE Plus Magnetics

For 2-Line Systems

This device contains two injector coils designed for 30 Watt PoE applications. Return loss exceeds the requirements of 802.3at specification for the entire frequency range. It maintains OCL of 350 μH up to 20 mA at +85°C ambient.

Request free evaluation samples by contacting Coilcraft or visiting www.coilcraft.com.

Part number ¹	Inductance min ² (μH)	Leakage inductance ³ max (μH)	DCR ⁴ (Ohms)
FA2536-AL_	675.0	0.55	0.240

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

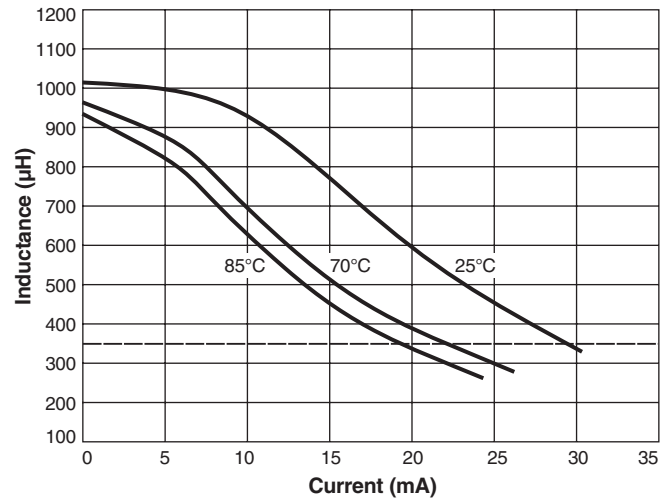
FA2536-ALD

Packaging: D = 13" machine-ready reel. EIA-481 embossed plastic tape (400 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer (\$25 charge).

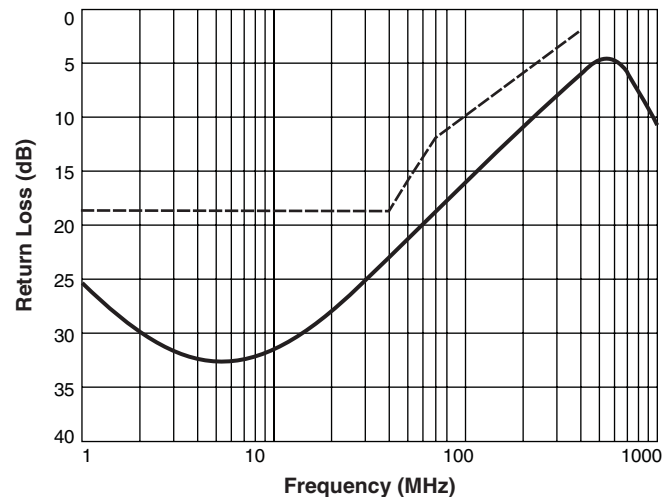
B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.

- Inductance measured between pins 1 – 3 and between pins 4 – 6 at 100 kHz, 0.1 Vrms, 0 A dc using an Agilent/HP 4284A impedance analyzer.
- Leakage inductance is measured between pins 2 and 3 with pins 1 and 3 shorted and between pins 5 and 6 with pins 4 and 6 shorted.
- DCR is measured between pins 1 – 3 and between pins 4 – 6.
- Operating temperature range –40°C to +85°C.
- Electrical specifications at 25°C.

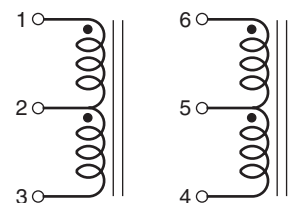
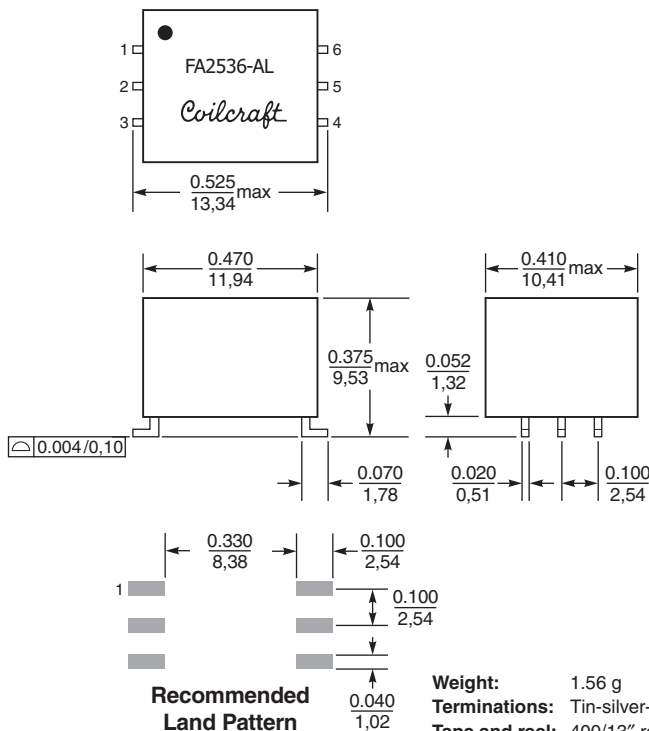
Inductance vs Current



Return Loss



802.3at specification:
 18 dB min from 1 MHz to 40 MHz
 16 dB min at 50 MHz
 12 dB min at 80 MHz
 10 dB min at 100 MHz



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