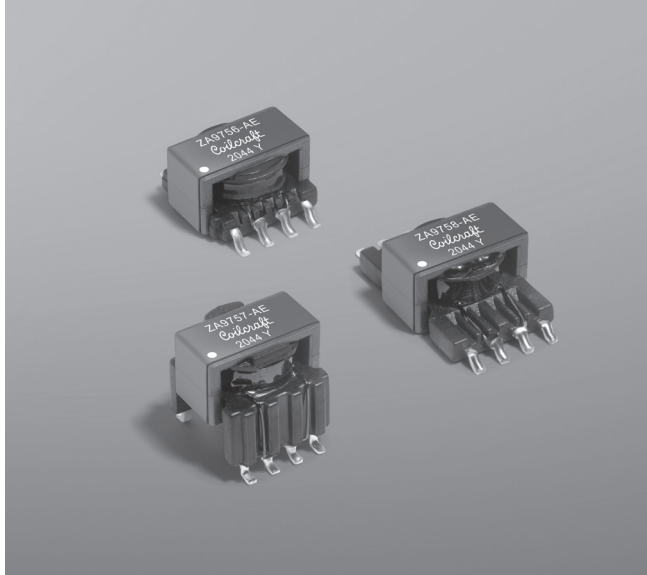


NEW!

Isolation Transformers

For isoSPI™
Interface

- Designed to work with isoSPI interface devices to provide isolation barrier
- High isolation to meet reinforced insulation with 3 to 8 mm of creepage – up to 5000 Vrms
- Offering hipot isolation up to 5 kV applicable for 2 kV working voltages
- AEC-Q200 Grade 1 (–40°C to +125°C)

Core material Ferrite**Terminations** RoHS compliant tin-silver (96.5/3.5) over tin over nickel over phos bronze. Other terminations available at additional cost.**Weight** 0.95 – 1.15 g**Ambient temperature** –40°C to +125°C**Maximum part temperature** +165°C**Storage temperature** Component: –40°C to +125°C.

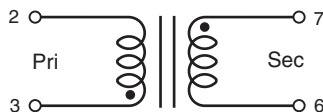
Tape and reel packaging: –40°C to +80°C

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)**PCB washing** Tested with pure water or alcohol only. For other solvents, see Doc787_PCB_Washing.pdf

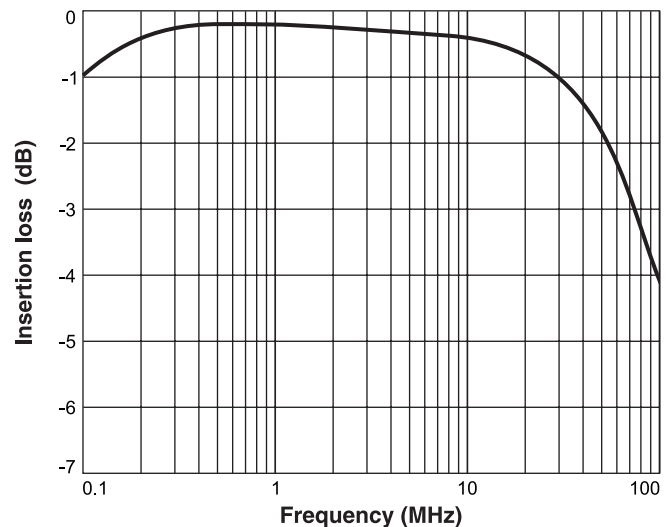
Part number ¹	Turns ratio	Primary inductance ² ±30% (µH)	Leakage inductance ³ max (µH)	DCR max (Ohms)		Volt-time product ⁴ (V-µsec)	Isolation voltage ⁵ (Vrms)	Working voltage (V)	Creepage/ clearance (mm)
				Pri	Sec				
ZA9756-AED	1:1	215	0.92	0.22	0.26	31	3000	1000	3
ZA9757-AED	1:1	225	0.92	0.22	0.26	31	4000	1500	5
ZA9758-AED	1:1	215	0.92	0.22	0.26	31	5000	2000	8

- Packaging:** D= 13" machine-ready reel. EIA-481 embossed plastic tape (ZA9756 600 per full reel; ZA9757 350 per full reel; ZA9758 700 per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer (\$25 charge).
 - Inductance measured at 100 kHz, 0.1 Vrms, 0 Adc
 - Leakage inductance measured at 100 kHz, 0.1 Vrms with secondary pins shorted.
 - Volt-time product is for the primary, between pin 2 and 3.
 - One minute isolation (hipot) measured between primary and secondary.
 - Electrical specifications at 25°C.
- Refer to Doc 362 "Soldering Surface Mount Components" before soldering.

Schematic



Insertion Loss

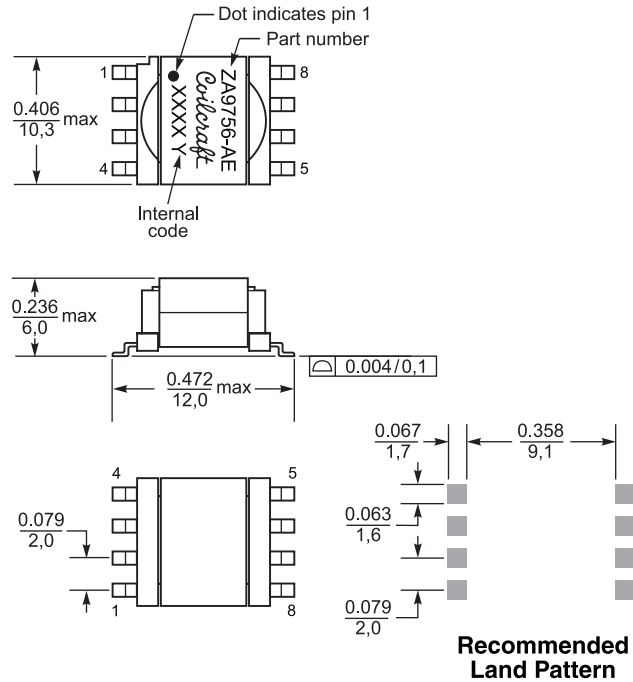




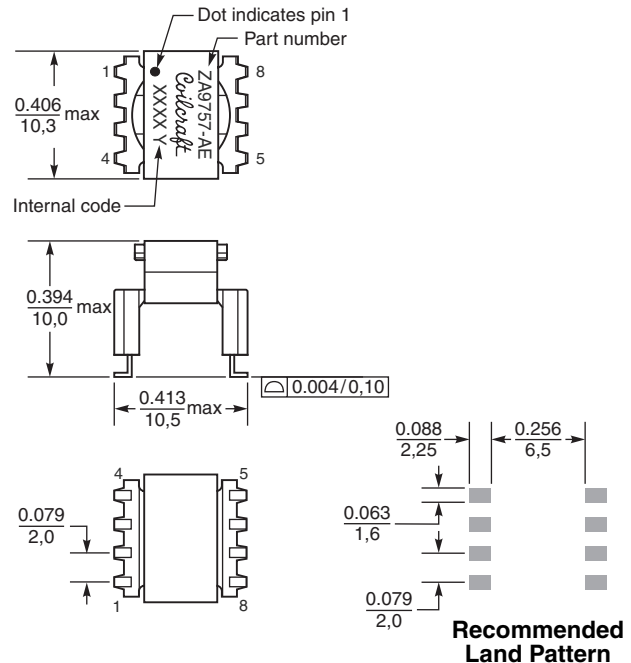
Isolation Transformers – ZA975x-AE

Dimensions

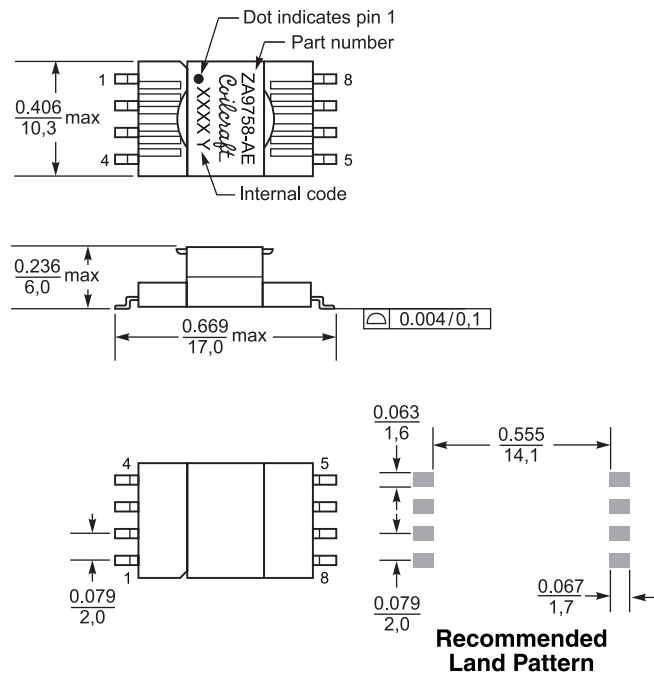
ZA9756-AE



ZA9757-AE



ZA9758-AE



Dimensions are in $\frac{\text{inches}}{\text{mm}}$

Packaging

- ZA9756-AE** 600/13" reel; Plastic tape: 24 mm wide, 0.37 mm thick, 16 mm pocket spacing, 6.11 mm pocket depth
- ZA9757-AE** 350/13" reel; Plastic tape: 24 mm wide, 0.5 mm thick, 16 mm pocket spacing, 10.8 mm pocket depth
- ZA9758-AE** 700/13" reel; Plastic tape: 32 mm wide, 0.4 mm thick, 16 mm pocket spacing, 5.72 mm pocket depth



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