

TRANSFORMERS & CABLES

ITX-1500

1500 W, 20 A/20 A Isolation Transformer



Compliance with Standards

FAA: Designed according to FAA-E-2690a

Uses

Designed for use in airfield lighting systems to isolate lower voltage lamps from the high operating voltages present on airfield series lighting circuits.

Features

- Advanced core/coil construction designed to have a low impedance to higher frequency communication signals. Performance verified when connected to the NBP ALSF-2 lamps-out powerline carrier monitoring system.
- Meets FAA-E-2690a performance requirements with up to a 1800 W load to allow for power consumed by monitoring devices and/or external secondary wiring
- Exceeds 15 kVDC insulation resistance requirements of FAA-E-2690a
- Quick and easy connection by means of factory-molded L-823 plugs and receptacles
- Two single-conductor primary cables (9 AWG, 5,000 V) with a molded Style 2 plug on one lead and a molded Style 9 receptacle on the other lead; one two-conductor secondary cable (12 AWG 600 V) with Style 8 two-pin receptacle
- Includes an attached lifting handle
- Operating temperature: -67 °F (-55 °C) to +158 °F (+70 °C)

Electrical Supply

- Operates only at 60 Hz on series circuits rated up to 5,000 VAC

The primary windings of the transformer are connected in a 20 A series circuit supplied by a constant current regulator. The continuity of the series lighting loop is maintained even if one or more lamps supplied by individual isolation transformer secondaries are open-circuited due to lamp failures. In addition, there is a complete separation of the high-voltage primary and low-voltage secondary windings.

Ordering Code

35A0675

FAA NSN

8200-00-003-0041-1

Electrical Performance

Capacity:	1800 W
Primary Current:	20 A
Power Factor:	> 0.90
Efficiency:	> 0.95%
Frequency:	60 Hz
Secondary full load current:	19.8-20.2 A
Secondary short-circuited current:	20-22 A
Maximum secondary open-circuit voltage:	848.5 V peak-peak
Voltage rating:	Primary 5,000 V RMS Secondary 600 V RMS
Weight:	62 lbs (28 kg)

Mechanical

Transformer Body Dimensions (Excluding Leads and Handle)	
Width:	8.00 inches
Depth:	8.75 inches
Height:	8.75 inches
Diagonal (max):	11.25 inches

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Product specifications may be subject to change, and specifications listed here are not binding. Confirm current specifications at time of order.