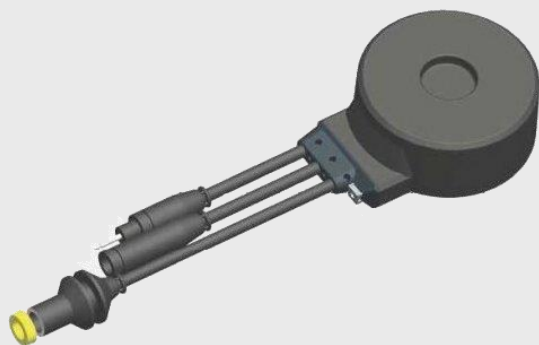




ITT

SERIES ISOLATION TRANSFORMERS



COMPLIANCES

FAA: AC150/5345-47

IEC: 61823

ICAO: Aerodrome Design Manual - Part 5

APPLICATIONS

Isolation transformers are used in series airfield lighting circuits to electrically isolate the lighting fixtures from the medium voltage usually present and to ensure circuit continuity in the event of lamp failures too.

The transformers are totally encapsulated in waterproof synthetic rubber compound for maximum resistance to contaminants, ultraviolet radiation and ozone, with a minimum of water absorption.

When applied with proper connections, they are suitable for direct burial in the soil.

FEATURES

- ETL certified according to FAA AC 150/5345-47 Specs
- IEC approved according to IEC 61823 Specs
- Totally thermoplastic rubber encapsulated
- Two primary leads with single-pole plug style 2 and receptacle style 9.
- One secondary lead with two-pole receptacle, style 8. On request, the secondary receptacle can be style 7; in this case the transformers cannot be certified FAA.
- Suitable for 50 or 60 cycle applications.
- If required, any transformer size can be supplied for secondary grounding.

ITT - 100 - 66 - 66 - 50 - G**Model:** _____**Nominal wattage:** _____

015 = 10/15 W

025 = 20/25 W

045 = 30/45 W

065 = 65 W

100 = 100 W

150 = 150 W

200 = 200 W

300 = 300 W

500 = 500 W

Primary current: _____

66 = 6.6 A

Secondary current: _____

66 = 6.6 A

Frequency: _____

50 = 50 Hz

60 = 60 Hz

Options _____

G = secondary grounding

7 = secondary receptacle style 7

H = secondary grounding and secondary receptacle style 7

Wattage (W)	Dimensions			Weight (kg)	Volume (m ³)
	D (mm)	L (mm)	H (mm)		
015	89	115	45	1.03	0.003
025	89	115	45	1.03	0.003
045	100	125	55	1.6	0.003
065	126	168	56	2.1	0.004
100	147	193	54	3.0	0.0045
150	147	193	60	3.12	0.0045
200	147	193	64	3.37	0.005
300	147	193	73	4.17	0.006
500	147	193	95	5.33	0.007

Wattage (W)	Current (A)	Load Range (W)	Load (Ohm)	Efficiency %	Power Factor	Open circuit voltage (V)	Magnetic inductance (mH)	Leakage inductance (mH)
10/15	6.6/6.6	10-15	0.34*	>70	>0.97	<8	13.0	<20
20/25	6.6/6.6	20-25	0.57*	>70	>0.97	<8	13.0	<20
30/45	6.6/6.6	25-60	0.57-1.38	>85	>0.97	<13	16.0	<30
65	6.6/6.6	50-85	1.15-1.49	>85	>0.97	<16	19.0	<40
100	6.6/6.6	80-125	1.84-2.87	>85	>0.97	<23	14.0	<40
150	6.6/6.6	120-178	2.75-4.13	>90	>0.97	<25	24.0	<50
200	6.6/6.6	160-230	3.67-5.28	>90	>0.97	<41	25.0	<60
300	6.6/6.6	220-338	5.05-8.25	>90	>0.97	<70	35.0	<100
500	6.6/6.6	400-523	12.00*	>90	>0.97	<100	64.0	<130

* in accordo con le norme FAA AC 150/5345-47

We reserve the right to change the design or specification data without notice

UC-PU-0290_EN-Rev.B