



**Compliances:** FAA AC 150/5345-47  
ICAO Annex 14  
MIL T-27535

## 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

- FAA transformers are approved per AC 150/5345-47.
- Military transformers comply with MIL-T-27535.
- Totally Thermoplastic Rubber encapsulated.
- Primary leads (2) with single-pole plug and receptacle.
- Secondary lead (1) 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 (GR type).

## How to order

TAO - [ ] [ ] [ ] [ ] [ ] [ ] - [ ]

### Basic Part

Number : \_\_\_\_\_

### Nominal Wattage :

045 = 30/45 W  
065 = 65 W  
100 = 100 W  
150 = 150 W  
200 = 200W  
300 = 300 W  
400 = 400 W  
500 = 500 W

### Primary Current :

66 = 6.6 A  
20 = 20 A

### Secondary Current :

66 = 6.6 A  
20 = 20 A

### Frequency :

50 = 50 Hz  
60 = 60 Hz  
56 = 50 - 60 Hz

### Options :

G = GR Type  
M = in Compliance to MIL T-27535  
7 = Secondary Receptacle style 7

## FAA Isolation Transformers

NOMINAL WATTAGE	PRIMARY CURRENT	SECONDARY CURRENT	FREQUENCY	NOTE
30/45W	6.6A	6.6A	50-60Hz	
30/45W	6.6A	6.6A	50-60Hz	GR type
30/45W	6.6A	6.6A	50Hz	
30/45W	6.6A	6.6A	60Hz	
30/45W	6.6A	6.6A	50Hz	GR type
30/45W	6.6A	6.6A	60Hz	GR type
65W	6.6A	6.6A	50-60Hz	
65W	6.6A	6.6A	50-60Hz	GR type
100W	6.6A	6.6A	50-60Hz	
100W	6.6A	6.6A	50-60Hz	GR type
100W	20A	6.6A	50Hz	
100W	20A	6.6A	60Hz	
100W	20A	6.6A	50Hz	GR type
100W	20A	6.6A	60Hz	GR type
200W	6.6A	6.6A	50Hz	
200W	6.6A	6.6A	60Hz	
200W	6.6A	6.6A	50Hz	GR type
200W	6.6A	6.6A	60Hz	GR type
200W	20A	6.6A	50Hz	
200W	20A	6.6A	60Hz	
200W	20A	6.6A	50Hz	GR type
200W	20A	6.6A	60Hz	GR type
300W	6.6A	20A	50Hz	
300W	6.6A	20A	50Hz	
300W	6.6A	20A	50Hz	GR type
300W	6.6A	20A	60Hz	GR type

NOMINAL WATTAGE	PRIMARY CURRENT	SECONDARY CURRENT	FREQUENCY	NOTE
300W	20A	20A	50Hz	
300W	20A	20A	60Hz	
300W	20A	20A	50Hz	GR type
300W	20A	20A	60Hz	GR type
300W	20A	20A	50Hz	
300W	20A	20A	60Hz	
300W	20A	20A	50Hz	GR type
300W	20A	20A	60Hz	GR type
300W	6.6A	6.6A	50Hz	
300W	6.6A	6.6A	60Hz	
300W	6.6A	6.6A		GR type
300W	6.6A	6.6A		GR type
300W	20A	6.6A	50Hz	
300W	20A	6.6A	60Hz	
300W	20A	6.6A	50Hz	GR type
300W	20A	6.6A	60Hz	GR type
500W	20A	6.6A	50Hz	
500W	20A	6.6A	60Hz	
500W	20A	6.6A	50Hz	GR type
500W	20A	6.6A	60Hz	GR type
500W	20A	20A	50Hz	
500W	20A	20A	60Hz	
500W	20A	20A	50Hz	GR type
500W	20A	20A	60Hz	GR type

### Other FAA Isolation Transformers

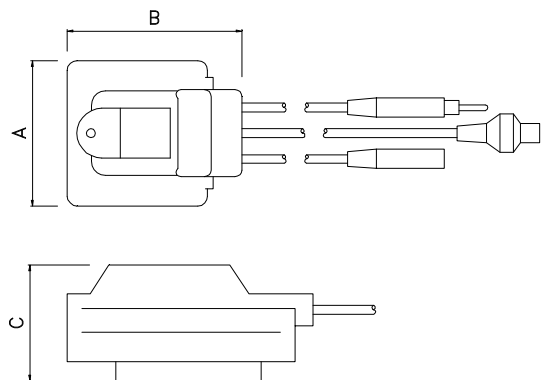
NOMINAL WATTAGE	PRIMARY RATING	SECONDARY RATING	FREQUENCY	NOTE
100W	6.6A	20A	50Hz	
100W	6.6A	20A	50Hz	GR type
150W	6.6A	6.6A	50Hz	
150W	6.6A	6.6A	60Hz	
150W	6.6A	6.6A	50Hz	GR type
400W	6.6A	6.6A	50Hz	
400W	6.6A	6.6A	50Hz	GR type
500W	6.6A	6.6A	50Hz	
500W	6.6A	6.6A	60Hz	
500W	6.6A	6.6A	50Hz	GR type
500W	6.6A	6.6A	60Hz	GR type
500W	20A	6.6A	60Hz	
500W	20A	6.6A	60Hz	GR type

### Military Transformers

NOMINAL WATTAGE	PRIMARY RATING	SECONDARY RATING	FREQUENCY	NOTE
30/45W	6.6A	6.6A	50-60Hz	MS 27289-1
30/45W	20A	6.6A	50-60Hz	MS 27137-1
200W	6.6A	6.6A	60Hz	MS 27288-1
200W	20A	6.6A	60Hz	MS 27286-1
300W	6.6A	6.6A	60Hz	MS 27134-1
300W	6.6A	6.6A	60Hz	MS 27134-2
300W	20A	6.6A	60Hz	MS 27153-1
300W	6.6A	20A	60Hz	MS 27306-1
300W	20A	20A	60Hz	MS 27305-1
500W	6.6A	6.6A	60Hz	MS 27135-1
500W	6.6A	6.6A	60Hz	MS 27163-1
500W	6.6A	6.6A	60Hz	MS 27133-1
500W	6.6A	6.6A	60Hz	MS 27302-1

TYPE	DIMENSIONS (*)			WEIGHT		VOLUME	
	a	b	c	lbs.	Kg	Cu.ft.	Cu.m.
TAO-045666656	4.1 (104)	4.7 (120)	3.4 (86)	5.2	2.4	0.2	0.006
TAO-065666656	4.8 (122)	5.5 (140)	3.5 (89)	7.7	3.2	0.2	0.006
TAO-100666656	4.8 (122)	5.5 (140)	3.5 (89)	7.7	3.2	0.4	0.011
TAO-200666650	6.6 (168)	6.4 (163)	3.9 (99)	12.4	5.6	0.4	0.011
TAO-300666650	6.6 (168)	6.4 (163)	4.9 (125)	17.5	7.9	0.4	0.017
TAO-500666650	6.6 (168)	6.4 (163)	4.9 (125)	18.3	8.3	0.7	0.020

(\*) Dimensions are given in inches; the equivalent value in mm is shown between bracket.



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