DATA FOR E.I.A. REGISTRATION

TUBE TYPE 7436

MULLARD LIMITED
Mullard House,
Torrington Place,
LONDON.W.C.1.

The 7436 is a reliable subminiature half-wave rectifier for use in guided weapons.

PHYSICAL SPECIFICATIONS

Base

Bulb
Max. bulb length 2.8" (71.1mm)
Max. bulb diameter 0.4" (10.16mm)
Min. lead length 1.5" (38.1mm)

8 lead subminiature with flying leads (B8D/F)
Glass T-3

BASING CONNECTIONS

Lead No. 1 No connection
No. 2 Plate
No. 3 Heater
No. 4 Plate
No. 5 Cathode
No. 6 Heater
No. 7 No connection
No. 8 Plate

MECHANICAL RATINGS.

Maximum shock (short duration) 500 g
*Maximum vibration (100hrs.max.duration) 5 g
(10 minutes max.duration) 20 g
Maximum operating altitude 60,000 ft.
Maximum bulb temperature 200 °C
Ambient storage temperature range -60 to 35 °C

*This rating assumes that the vibration frequency components are varying continuously over the band 10 to 1000 c/s in a random manner.

GENERAL ELECTRICAL DATA

Heater voltage 6.3 V
Heater current 400 mA

MAXIMUM RATINGS (absolute values)

Peak inverse voltage 930 V
Mean anode current 50 mA
Peak anode current 300 mA
Surge anode current 1.1 A
Minimum limiting resistance 300 Ω
Reservoir capacitor 16 µF
Heater-cathode voltage 465 V

TYPICAL OPERATING CONDITIONS

Capacitor Input
R.M.S. input voltage (50c/s) 275 V
Reservoir capacitor 16 µF
Load resistance 5 kΩ
Limiting resistance 300 Ω
Mean output voltage 250 V
Mean output current 50 mA