DATA FOR E.I.A. REGISTRATION

TUBE TYPE 7436

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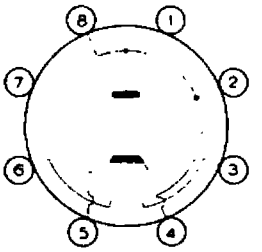
MULLARD LIMITED
Mullard House,
Torrington Place,
LONDON.W.C.1.

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

PHYSICAL SPECIFICATIONS

Base	8 lead subminiature with flying leads (B8D/F)
Bulb	Glass T-3
Maximum bulb length	1.6" (44.4mm)
Maximum bulb diameter	0.4" (10.16mm)
Minimum lead length	1.5" (38.1mm)

BASING DIAGRAM



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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	-60to+85 °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