

DATA FOR E.I.A. REGISTRATION

TUBE TYPE 7436

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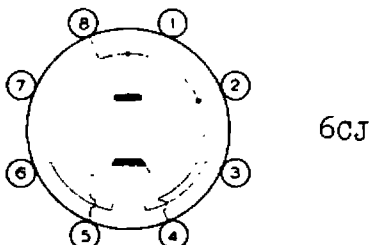
MULLARD LIMITED
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The 7436 is a reliable subminiature half-wave rectifier for use in guided weapons.

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



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