

DATA FOR E.I.A. REGISTRATION

TUBE TYPE 7435

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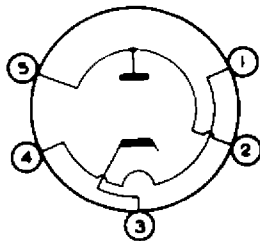
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The 7435 is a reliable subminiature diode for use in guided weapons.

PHYSICAL SPECIFICATIONS

Base	5 lead subminiature with flying leads (B5B)
Bulb	
Maximum bulb length	1.1" (28.5mm)
Maximum bulb diameter	0.21" (5.4mm)
Minimum lead length	1.5" (38.1mm)

BASING DIAGRAM



BASING CONNECTIONS

Lead No.1	Heater
No.2	Plate
No.3	Cathode
No.4	Heater
No.5	Plate

MECHANICAL RATINGS

Maximum shock (short duration)	500	g
*Maximum vibration (100hrs.max.duration)	5	g
(10 mins.max. duration)	20	g
Maximum operating altitude	60,000	ft.
Maximum bulb temperature	165	°C
Ambient storage temperature range	-60 to +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	150	mA

ELECTRODE CAPACITANCES (measured with external shield)

Plate to cathode + heater	4.0	pF
Cathode to plate + heater	4.0	pF

MAXIMUM RATINGS (absolute values)

Peak inverse voltage	460	V
R.M.S. input voltage	165	V
Plate current	10	mA
Peak plate current	60	mA
Surge plate current	200	mA
Minimum source impedance	300	Ω
Reservoir capacitor	8	μF
Heater-cathode voltage (cathode positive)	300	V
(cathode negative)	100	V