

Argon-filled cold-cathode tetrode designed as a stroboscopic photographic light source, producing intense short-duration flashes through controlled gas discharge.

GENERAL CHARACTERISTICS

BASE DESIGNATION	InternationalOctal	BASE PINS	8
NOMINAL HEATER	- / -	PARALLEL HEATER	- / -
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM PLATE VOLTAGE	380 V
<i>Promoted fields were populated only where the Ferranti sheet maps cleanly to the locked schema; additional ratings and operating values are retained in TUBE_SECTION_PARAMETER.</i>	

Argon-filled cold-cathode tetrode used as a stroboscopic photographic light source.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Ferranti

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1963 FERRANTI

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode voltage minimum	270 V	Working
Peak inverse anode voltage maximum	350 V	—
Average anode current maximum	80 mA	—
Discharge capacitance maximum	16 uF	—
Average trigger current maximum	10 mA	—
Minimum series discharge resistance	0.3 Ohm	—
Flashing frequency maximum	250 pps	—
Supply voltage	350 V	StroboscopicLightSource
Trigger pulse amplitude minimum	150 V	StroboscopicLightSource

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Static striking voltage minimum	75 V	—
Static striking voltage maximum	120 V	—
Peak luminous intensity	80 cd	C=2uF;V=350V
Flash duration	20 us	HalfPeakLightOutput