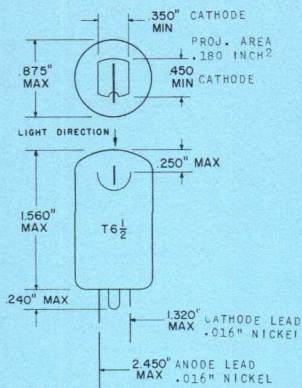


TUNG-SOL

VACUUM PHOTO DIODE



CYLINDRICAL CATHODE

ANY MOUNTING POSITION

BASE

NONE

FLYING LEADS

THE 8049 IS A CESIUM-ANTIMONY TYPE HEAD-ON PHOTO DIODE. IT IS DESIGNED FOR OPERATION AT LOW LIGHT LEVELS AND AT LOW APPLIED VOLTAGES. ITS CURRENT-VOLTAGE CHARACTERISTICS SHOW SATURATION AT VERY LOW KNEE VOLTAGES. THIS PERMITS THE TUBE TO BE USED DIRECTLY WITH EITHER ELECTRON TUBES OR SEMICONDUCTOR DEVICES. CATHODE AND ANODE CONNECTIONS ARE THROUGH FLYING LEADS AT THE BOTTOM.

GENERAL

SPECTRAL RESPONSE	S4	
WAVELENGTH OF MAXIMUM RESPONSE	4000±500	ANGSTROMS
DIRECT INTERELECTRODE CAPACITANCE	1.3	pf

RATINGS

→ ABSOLUTE MAXIMUM

→ MAXIMUM ANODE SUPPLY VOLTAGE (DC OR PEAK AC)	→ 30	VOLTS
MAXIMUM PEAK CATHODE CURRENT	20	μAMP
MAXIMUM PEAK CATHODE CURRENT DENSITY	125	μAMP/IN ²
MAXIMUM AVERAGE CATHODE CURRENT	.5	μAMP
MAXIMUM AMBIENT TEMPERATURE	75	°C

CHARACTERISTICS

	MIN.	AVG.	MAX.	
DARK CURRENT AT 25 VOLTS, 27°C	---	---	50	PAMP
LUMINOUS SENSITIVITY	15	30	60	μA/LUMEN

→ INDICATES A CHANGE.

8049
AVERAGE CHARACTERISTICS

