

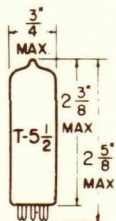
TUNG-SOL

VOLTAGE-REGULATOR

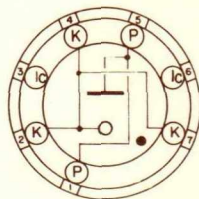
MINIATURE TYPE

COLD CATHODE

ANY OPERATING POSITION



GLASS BULB



BOTTOM VIEW

SMALL-BUTTON MINIATURE
7 PIN BASE

580

THE OC2 IS A COLD-CATHODE, GLOW-DISCHARGE VOLTAGE REGULATOR IN THE 7-PIN MINIATURE CONSTRUCTION. IT IS INTENDED FOR USE IN VOLTAGE REGULATOR APPLICATIONS IN WHICH A RELATIVELY CONSTANT DC OUTPUT VOLTAGE IS REQUIRED ACROSS A LOAD, INDEPENDENT OF MODERATE LINE-VOLTAGE VARIATIONS.

RATINGS

MAXIMUM AND MINIMUM ^A

VOLTAGE-REGULATOR SERVICE

MAXIMUM AVERAGE STARTING CURRENT ^B	75	MA.
MAXIMUM DC CATHODE CURRENT	30	MA.
MINIMUM DC CATHODE CURRENT	5	MA.
MAXIMUM FREQUENCY	0	CPS.
AMBIENT TEMPERATURE RANGE	-55 TO + 90	°C
MAXIMUM CIRCUIT VALUES:		
SHUNT CAPACITANCE	0.1	μf

^A ABSOLUTE VALUES.

CHARACTERISTICS RANGE VALUES FOR EQUIPMENT DESIGN

	MIN.	AVG.	MAX.	
DC ANODE-SUPPLY VOLTAGE	C	---	---	VOLTS
ANODE BREAKDOWN VOLTAGE:				
UNDER TOTAL DARKNESS	---	---	145 ^D	VOLTS
UNDER NORMAL AMBIENT LIGHT				
CONDITIONS	---	105	115 ^D	VOLTS
ANODE VOLTAGE DROP	68 ^E	75	83	VOLTS
REGULATION (5 TO 30 MA.)	---	3	4.5	VOLTS

^B AVERAGED OVER STARTING PERIOD NOT EXCEEDING 10 SECONDS. THIS STARTING PERIOD MUST BE FOLLOWED BY A STEADY-STATE OPERATING CONDITION OF AT LEAST 20 MINUTES, OR TUBE PERFORMANCE WILL BE IMPAIRED.

^C THE MINIMUM VALUE TO INSURE "STARTING" THROUGHOUT TUBE LIFE MUST BE EQUAL TO THE ANODE BREAKDOWN VOLTAGE PLUS THE VOLTAGE DROP ACROSS THE SERIES RESISTOR AT THE MAXIMUM VALUE OF THE LOAD CURRENT.

^D MAXIMUM INDIVIDUAL TUBE VALUE DURING USEFUL LIFE. ^E MIN. INDIVIDUAL TUBE VALUE DURING USEFUL LIFE.