## Half-Wave Vacuum Rectifier

## For Television Damper Service

## GENERAL DATA

Electrical:											
Current a Direct Inte	AC or DC) t 6.3 volts. relectrode (							6.3 1.6	± 109		lts amp
Cathode to	cathode and o plate and cathode	heate	r.				. 1	l1.5			uμf uμf uμf
Mechanical:											
Operating Po Maximum Ove Maximum Sea Maximum Dia Bulb Base	rall Length ted Length meter		ort l	  nten	 rmed al E	Barr EDE(	· · · · · · · · · · · · · · · · · · ·	Shell rs, A	Octo	3-13/ 3-1 1-9/ al 5- gemen o.B5-	/4" 32" .T9 Pin t 2 85)
Basing De	signation f	or BOI	LOW	V I EV	Ν	•				• •	4CG
n	ternal Con- ection o Not Use <sup>b</sup> thode	3(2)		(5) (8)	)			Pir	7-1	Plate Heate Heate	r

• (8)											
DAMPER SERVICE											
Maximum Ratings, Design-Maximum Values:											
For operation in a 525-line, 30-frame system <sup>c</sup>											
PEAK INVERSE PLATE VOLTAGE 5500 max.	volts										
PEAK PLATE CURRENT	ma										
DC PLATE CURRENT 180 max.	ma										
PLATE DISSIPATION 6.5 max.	watts										
PEAK HEATER-CATHODE VOLTAGE:											
Heater negative with respect to cathode <sup>d</sup> . 5500 <sup>e</sup> max.	volts										
Heater positive with respect to cathode . 300 max.	volts										
Characteristics, Instantaneous Value:	-										
	1.										
Tube Voltage Drop for plate ma. = 350 34	volts										
a Without external shield.											
b Socket terminals 1, 2, 4 and 6 should not be used as tie points.											
C As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations," Federal Communications Commission.											
←Indicates a change.											

- d This rating is applicable where the duration of the voltage pulse does not exceed 15 per cent of one horizontal scanning cycle. In a 525-line, 30-frame system, 15 per cent of one horizontal scanning cycle is 10 micro-seconds.
- e The dc component must not exceed 900 volts.
- f The dc component must not exceed 100 volts.

## OPERATING CONSIDERATIONS

It is recommended that socket clips for pins 1, 2, 4, and 6 be removed to reduce the possibility of arc-over and to minimize leakage.

