Half-Wave Rectifier

$\overline{}$	9-Pin Miniature Type					
	i _{bm} = 1200 max. mA	P _b = 4.75 max. W				
	For Black-and-White and Small-Screen Color-TV Damper Diode Applications					
(ELECTRICAL CHARACTERISTICS - Bogey Values					
	Heater Voltage, ac or dc	E _h I _h	6.3 1.2	V A		
	Direct Interelectrode					
	Capacitances: ^a					
	Plate to cathode					
	and heater $^{C}p(k+h)$ Cathode to plate	12.0		pF		
	and heater $c_{k(p+h)}$	9.5		рF		
	Heater to cathode chk Instantaneous Tube Voltage	2.8		pF		
	Drop for instantaneous					
	plate current $(i_b) = 350 \text{ mA}$. e_b	16		V		
	MECHANICAL CHARACTERISTICS					
	Maximum Overall Length (l_m) 3.125 in (79.37 mm) Maximum Seated Length (l_{sm}) 2.875 in (73.02 mm)					
	Maximum Diameter (d_m) 0.875 in (22.22 mm)					
	Envelope JEDEC Designation 6					
Base Small-Button Noval 9-Pin JEDEC Designation Terminal Connections						
	(See TERMINAL DIAGRAM) JEDEC Designation 9RX					
	Type of Cathode	Coated Un	ipotent	ial		
	Operating Position		A			
	MAXIMUM RATINGS - Design-Maximum Val	ues ^b				
For operation as a Damper Tube in TV Receivers utilizing a 525-line, 30-frame system ^c						
]	Peak Inverse Plate Voltagee _{bm}	5000 ^d		V		
~]	Heater-Cathode Voltage:	_				
	Peak ehkm	∫ +300		V		
		(-5000		V		

Average e Ehk(av)	v) { +100 -900	V
ink(av)	-900	V
Heater Voltage, ac or dc E _h	5.7 to 6.9	V
Plate Current;		
Peak i _{bm}	1200	mA
Average ^e Ib(av)	250	mA
Plate Dissipation Pb	4.75	W
Envelope Temperature (at		
hottest point on envelope		
surface) T _E	220	$^{\mathrm{o}}\mathrm{C}$

Measured without external shield in accordance with the current issue of EIA Standard RS-191.

TERMINAL DIAGRAM (Bottom View)

Pin 1 - Do Not Use

Pin 2 - Plate

Pin 3 - Do Not Use

Pin 4 - Heater

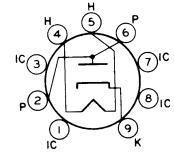
Pin 5 - Heater

Pin 6 - Plate

Pin 7 - Do Not Use

Pin 8 - Do Not Use

Pin 9 - Cathode



JEDEC 9RX

OPERATING CONSIDERATIONS

Socket terminals 1, 3, 7, and 8 should not be used as tie points for external-circuit components. It is recommended that these socket tabs be removed to reduce the possibility of arc-over and to minimize leakage.

b As defined in the current issue of EIA Standard RS-239.

As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations", Federal Communications Commission.

This rating is applicable when the duration of the voltage pulse does not exceed 15% of one horizontal scanning cycle. In a 525-line, 30-frame system, 15% of one horizontal scanning cycle is 10 μ s.

Measured with a dc meter.