



# HIGH VOLTAGE DIODE

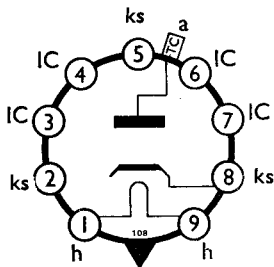
# A2272

NOVEMBER, 1955

A high voltage vacuum diode with an indirectly heated cathode suitable for use as a rectifier or an inverse diode at high ambient temperatures.

A2272 is the commercial equivalent of CV2318.

## BASE CONNECTIONS AND VALVE DIMENSIONS



View from underside of base.

Base : B9G  
 Top cap : CT2  
 Bulb : Tubular

Overall length : 115 max. mm.  
 Seated length : 100 max. mm.  
 Diameter : 45 max. mm.

### HEATER

$V_h$	6.3	V
$I_h$	1.6 (approx.)	A

### RATINGS

#### As Rectifier

$V_{in}$ (rms)	5.5 max.	kV
PIV	16 max.	kV
$V_{h-k}$	250 max.	V
$I_{out}$	100 max.	mA
$I_k$ (pk)	600 max.	mA
$I_a$ (surge)	2 max.	A
$R_s$	4000 max.	$\Omega$
$t_{hk}$	60 min.	s
$T_{amb}$	90 max.	$^{\circ}C$

#### As Inverse Diode

PIV	16 max.	kV
* $I_a$ (pulse)	7.5 max.	A
† $I_a$ (pulse) fault conditions	14 max.	A
$P_a$	10 max.	W
$t_{hk}$	60 min.	s
$T_{amb}$	90 max.	$^{\circ}C$

\*  $t_p = 1 \mu$  Sec., PRF 1000 pps.

† Max. duration of fault = 2 secs.

Max. frequency of fault = 1 per 5 minutes.

# A2272

## CAPACITANCE

$C_{a-all}$

6.0

pF

## SWITCHING

Direct.

## MOUNTING

Any position.

## OPERATIONAL NOTE

Pins marked IC should be connected externally to ks

