



HIGH VOLTAGE DIODE

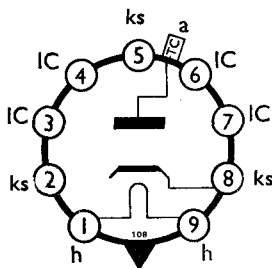
A2272

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



Base : B9G
Top cap : CT2
Bulb : Tubular

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

View from underside
of base.

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.	Ω
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.

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A2272

CAPACITANCE

C_{a-all} 6·0 pF

SWITCHING

Direct.

MOUNTING

Any position.

OPERATIONAL NOTE

Pins marked IC should be connected externally to ks

