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BRIMAR VALVES

R.M.A. REGISTRATION DATA

TYPE 6058

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6058
TWIN DIODE

The 6058 is a miniature type twin diode with separate cathodes, with the same general characteristics as type 6AL5. It is designed for trustworthy operation under adverse conditions of vibration and mechanical shock.

MECHANICAL DATA

Coated unipotential cathodes.

Outline drawing	5-2	Bulb	T-5½
Base	E7-1	miniature button 7-pin	
Maximum diameter			3/4"
Maximum overall length			2.1/8"
Maximum seated height			1.7/8"
Pin connections		Basing number	6BT

Pin 1 - Cathode (No. 1) Pin 5 - Cathode (No. 2)
Pin 2 - Plate (No. 2) Pin 6 - Internal shield
Pin 3 - Heater Pin 7 - Plate (No. 1)
Pin 4 - Heater

Mounting position	any
Maximum shock (in intermittent service)	500 g
Vibration (continuous service)	2½ g
Mechanical resonance	None below 100 c/s

ELECTRICAL DATA

Direct interelectrode capacitances ¤

Plate input: p to (k+h+i.s.) each unit	3.2 μμF
Cathode input: k to (p+h+i.s.) each unit	3.6 μμF
Plate No. 1 to Plate No. 2	0.026 μμF Max.

¤ With external shield connected to Pin 6.

60060/100

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Ratings

Heater voltage (ac or dc)	6.3 volts
Maximum heater-cathode voltage	330 volts
Maximum peak inverse plate voltage	420 volts
Maximum peak plate current (per plate)	54 mA
Maximum dc output current (per plate)	9 mA

Typical operating conditions and characteristics (half-wave rectifier)

Heater voltage	6.3 volts
Heater current	300 mA
A.C. plate voltage (per plate)	150 volts R.M.S. Max.
Minimum total effective plate supply impedance (per plate)	300 ohms
D.C. output current (per plate)	9 mA

The resonant frequency of each unit of the 6058 is 700 Mc. approx.

60060/100A