DDR100

ACCELEROMETER DOUBLE DIODE

GENERAL

A double diode with the anodes elastically supported so that the anode impedance is varied when subjected to acceleration. When arranged in a bridge circuit the out-of-balance voltage produced by the variation in anode impedance is a linear function of the acceleration.

The frequency range over which the response to a sinuscidal acceleration can be considered independent of frequency is 0 to 250 c/s

HEATER

V_h 6.3 V I_h 0.6 A

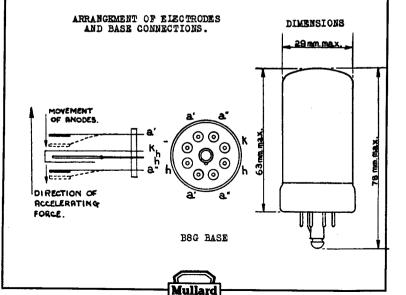
The valve should be allowed 15 minutes warming up time.

CHARACTERISTICS (In bridge circuit given overleaf)

Va max.	10	7
Ia max.	60	m_
Max. acceleration	100	.g
Resonant frequency	1	Ko/s

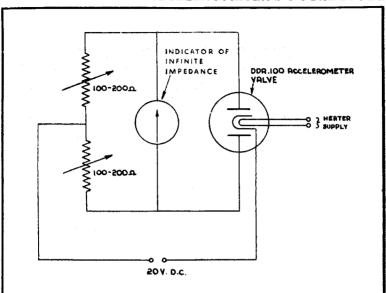
SENSITIVITY

Sensitivity 7.5 mV/g (across bridge)



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Recommended bridge circuit for use with the DDR.100