



EITEL-McCULLOUGH, INC.
SAN CARLOS · CALIFORNIA

2-01C INSTRUMENT DIODE

The Eimac 2-01C is a small, closely-spaced, low-capacitance, high-vacuum diode designed for use through ultra-high frequencies. In measurement work, it is well suited to mounting in a probe and will maintain accuracy in the order of ± 1 decibel up to 700 megacycles. It is useful as an indicator at frequencies as high as 3000 megacycles.

The 2-01C has a maximum d-c current rating of 1.0 milliamper and a maximum peak inverse voltage rating of 1000 volts. Cooling is by convection and radiation.

GENERAL CHARACTERISTICS

► ELECTRICAL

Cathode—Oxide-Coated, Unipotential

	Min.	Nom.	Max.	
Heating Time	30	60		seconds
Heater Voltage		5.0		volts
Heater Current	0.31		0.39	amperes
Direct Interelectrode Capacitance			0.7	uuf
Zero Signal Voltage (110 Megohm Load)	0.6		1.4	volts
Resonant Frequency		2800		mc
Plate Resistance ($E_b = 12$ volts)		8000	24,000	ohms

► MAXIMUM RATINGS

PEAK INVERSE ANODE VOLTAGE	-	-	-	1000 MAX. VOLTS
D-C PLATE CURRENT	-	-	-	1.0 MAX. MA
PLATE DISSIPATION	-	-	-	0.1 MAX. WATT
SEAL TEMPERATURE	-	-	-	175°C MAX.

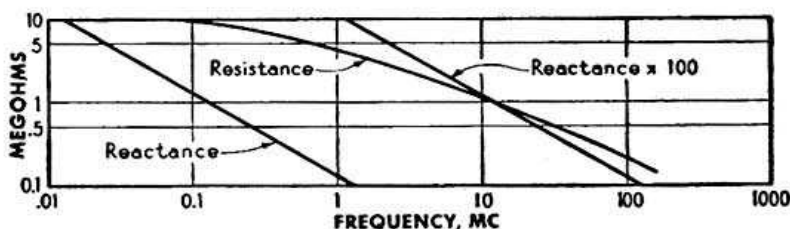
MECHANICAL

Length	-	-	-	1.813 inches	Net Weight	-	-	-	0.2 ounce
Diameter	-	-	-	0.563 inches	Shipping Weight (Approx.)	-	-	-	1.0 pound

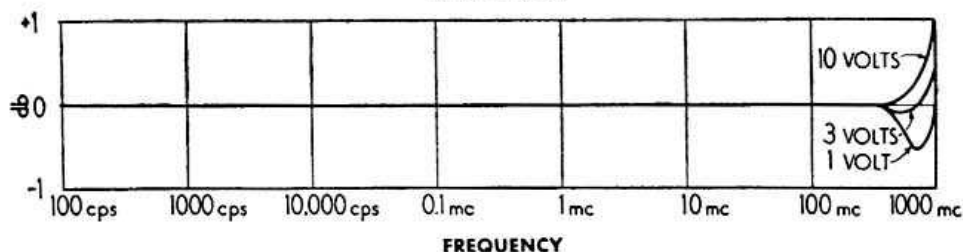


Actual Size

INPUT CHARACTERISTICS



RESPONSE



Input Impedance and Frequency Response of an Eimac 2-01C operating in a Hewlett-Packard Model 410B Vacuum Tube Voltmeter.
Reproduced from Hewlett-Packard Catalog No. 21-A, 1952.



2-01C

