TYPE DESIGNATION REGISTRATION

Manufacturer: Western Electric Company
Manufacturer's Type No.: 1391XK
JETEC Type No.: 1B31

The 1B31 is a hydrogen-argon filled spark gap modulator tube for use in pulse modulator applications. Two or more tubes may be used in series as a pulse triggered switch to actuate release of energy previously stored in a pulse shaping network.

Ratings

	Min.	Max.
Peak Voltage per Gap*	---	4.6 kilovolts
Peak Current*	30	300 amperes
Pulse Repetition Rate*	200	1600 pulses/sec.
Pulse Duration	.25	5.0 microseconds

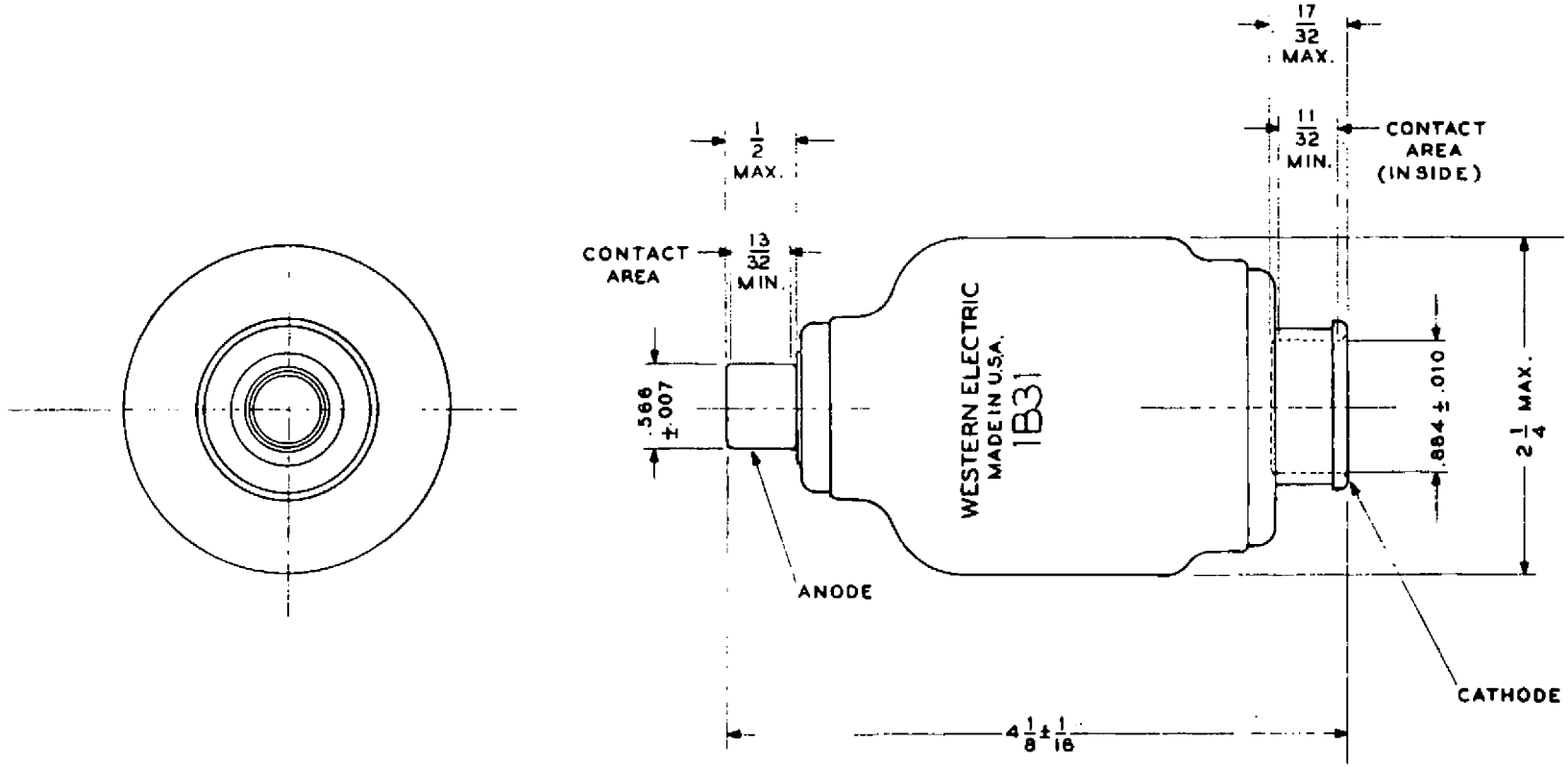
Mechanical Data

Mounting Position	Any
Dimensions	See attached outline.

* Maximum Ratings do not apply simultaneously.

NOTE: This tube is obsolete and manufacturing facilities are no longer available.

from RMA release # 688, Sept. 10, 1948



NOTE

THE BULB SHALL NOT BE ECCENTRIC BY MORE THAN $\frac{3}{64}$ AND THE CONTACT SURFACE OF THE TERMINALS BY MORE THAN $\frac{1}{32}$ FROM A ℄ THROUGH THE CENTER OF THE END OF THE ANODE AND CATHODE TERMINALS.