MINISTRY OF SUPPLY D.L.R.D.(A)/R.A.E.

VALVE ELECTRONIC

CV 284

Specification MOSA/CV284 Issue 5 Dated 19.5.1954 To be read in conjunction with K.1001. Ignoring clause 5.2.	SECURITY Specification: UNCLASSIFIED Valve: UNCLASSIFIED

→ Indicates a change

TYPE OF VALVE - Miniature Gas-Filled Voltage Stabiliser

CATHODE - Cold

ENVELOPE - Glass - unmetallised

MARKING

See K.1001/4

RATINGS

			Note
Max. Striking Voltage	(V)	110	
→ Max. Anode Current	(mA)	22	
Min. Anode Current	(mA)	2	
Mean Voltage Drop across valve operating at 10 mA.		75	

BASE

B.7.G

CONNECTIONS

Pin	Electrode
1	Cathode
2	Cathode
3	Cathode
4	Priming Anode or Anode (Note A)
5	Anode
6	Anode
7	Anode

DIMENSIONS

See K.1001/AI/D4

Dimensions	Min.	Max.	
A mm	-	54.5	←
B mm	-	19.0	←
L mm	-	47.5	←
F mm	35.5	40.5	←

NOTE

A. This valve may be supplied either with or without a priming anode. In order to accommodate either construction, it is essential that a resistor of 15,000 ohms be connected between pins 4 and Anode at the valve socket in equipments.

To be performed in addition to those applicable in K.1001

	Test Conditions	Test	Limits Min.	Limits Max.	No. Tested	Note
a	Increase the voltage applied to the valve until current flows.	Striking Voltage (V)	-	110	100%	
b	Cathode Current adjusted to 10 mA.	Output Voltage (V)	70	80	100%	
c	Cathode current changed from 20 mA to 2 mA.	Output Voltage Change (V)	-	6	100%	
d	The valve is to be tested for freedom from noise during operation. For this purpose, a calibrated amplifier-detector, having a response to within ± 2 dB of its response at 400 c.p.s. over the range of 50-5000 c.p.s., is to be connected between the anode and cathode. The cathode current is to be varied slowly from 20 mA to 2 mA and at no point in this range must the R.M.S. noise input voltage to the amplifier exceed 15 mV.				100%	

NOTE

1. If the valve under test incorporated a priming anode, then for the purpose of the above tests the priming anode must be connected to the anode through a resistor of 15,000 ohms.