VALVE ELECTRONIC CV286

MINISTRY OF SUPPLY (S.R.D.E.)

Specification MCS/CV286/Issue 4 Dated: 28.11.46 To be read in conjunction with K100 ignoring clause 5.2.	1,	SECURITY Specification Valve Restricted Unclassing			THE RESIDENCE OF THE PARTY OF T	4					
indicates a change											
THE OF VALVE: - Cas filled voltage stabiliser. CATHODE: - Cold ENVELOPE: - Glass-urmetallised PROTOTYPE: - None	MARKING See K1001/4										
RATING	0	BASIE transferant B7G									
Max. Anode take-over voltage (V) 110 A Max. Anode Current (mA) 10 Min. Anode Current (mA) 2 Mean voltage drop		Pin 1) 2) 3)	Cathode Priming anode								
across valve operating at 5 mA. (V) 95 A Max. priming anode current (mA) 0.5 B		5) 6) 7)									
NOTES A. These conditions apply with	DIMENSIONS See K1001/AI/DL				4						
the priming electrode connected		Dimensions Min. Ma		Max.							
to 150V positive through 0.25 Ms. B. If not required for use, the		A mm B mm		54 19							
prizing electrods shall be joined to the main anode through a resistance of 3,000 A.	a.					A					

TESTS

To be performed in addition to those applicable in K1001.

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	Priming anode voltage	Main anode voltage	Main anode current (m4)				
a	150V through 0,25 Ma	80V	633	The valve must conduct			100%
b	150V through 0.25 M.a	Increased until current flows	479	Anode take- over voltage (V)	4003	110	100%
G	150V through 0.25 M.	Adjust	5	Voltage drop between main anode and cathode (V)	90	100	100%
d	150V through 0.25 MA	Adjust	Changed from 2 to 10 mA	Regulation (V)		5	100%

The valve is to be tested for freedom from noise during operation. For this purpose, a calibrated amplifier-detector, having a response within ± 2 db of its response at 400c/s over the range of 50-5000c/s., is to be connected between the anode and cathode. The cathode current is to be varied slowly from 10 mA to 2 mA and at no point in this range must the R.M.S. noise imput voltage to the amplifier exceed 15 mV.