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Specification MAP/CV1031/Issue 10 Dated 6.1.49

VALVE ELECTRONIC CV 1031

SECURITY

Dated 6.1.49 To be read in conjunction with K1001	Specification RESTRICTED	V: UNCLASS	elve SIFIED		
	- Indi	cates a change			
TYPE OF VALVE: - Transmitting	MARKING				
Tetrode CATHODE: - Directly		See K1001/4			
Heated	PACKING				
ENVELOPE: - Glass- Double-ended	See K1005				
COMMERCIAL PROTOTYPE: - S.G. 250	<u>BASE</u> None				
RATING	Note	CONNEC	TIONS		
Filament Voltage (V) Filament Current (A) Max. Anode Voltage (kV) Max. Anode Dissi- (W) pation Mutual Conduc- (mA/V) tance Amplification Factor 11.25 8.0 5.0 250 250 250 100	The anode lead shall be brought out at one end of the valve and the remaining leads at the other end. All leads shall be securely bound in their insulating sleeves to the lips of the				
NOTES	<u>DIMENSIONS</u> See Kl001/AI/D3				
A. $Va = 3kV$, $V_g^2 = 600$,	Dimension	Min.	Max.		
V _g l = -40.		A (mm) B (mm) C (mm) F (mm) G (mm)	355 158 60 48 355	395 168 66 - 365	

CVI031

TESTS

To be performed in addition to those applicable in K1001.

Clause	Test Conditions					Test		Limits Min. Max.		No. Tested
	۷f	Va.	V _g 2	Vgl	Ia(mA)			MILITO	BEAR	105000
(a)		e K10				Çag	(_P F)		1.7	6 per w
(b)	11.25	0	0	0	-	If	(A)	7.6	8.9	100%
(c)	11.25 3000 600 - 83 Conditions maintained for 10 minutes.					Dissipation 1. There so sparking be pinch lead loss of em	hall be no etween			
						2. At end reverse Ig	of test l (μA)	-	20	100%
(a)	11.25	3000	600	-120	· -	Ia	(mA)	-	20	100%
(e)	11, 25	3000	600	-30 to -32	-	gm	(mA/V)	1.0		100%
(f)	11.25	Ad- just for re- qui- red Ia	600	-30	-	ц		100	-	100%
(g)	11.25	3000	ար to 1100	-41	-	Reverse I _g 2	(mA)	-	2	100%
(h)	11.25	3000	1000	-41	-	1 _{g} 2		To be +ve		100%
(1)	11.25	max. only oien obse	e and pped appl for t tim rve r readi	450v. ied suffi e to equi-	<u> </u>	Io	(mA)	450		100%