Page 1 (No. of pages: 3) MINISTRY OF SUPPLY (D.C.D.)

VALVE ELECTRONIC CVIO48

Specification MAP/CV1048/Issue 6 Dated 24.1.49 To be read in conjunction with Kl001. Specification EESTRICTED

Valve UNCLASSIFIED

Indicates a change

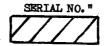
TYPE OF VALVE - Screen Grid T CATHODE _ Directly heat ENVELOPE - Glass-Metalli PROTOTYPE - 215 SG.	MARKING See K1001/4. Plus additional marking (see Page 2 PACKING See K.1005 and Page 2 (Note 3)					
RATING Filament Voltage (V)	2.0	Note	BASE B4			
Filament Current Max. Anode Voltage Max. Screen Voltage Mutual Conductance Anode Impedance (M \Omega) Amplification Factor CAPACITANCES (pF) Cag (max.)	0.15 180 80 1.1 0.3 330		Pin 1 2 3 4. T.C.	Soreen grid Control grid Filament negative and metallising Filament positive Anode TOP CAP		
j			See K. 1001/AI/D5.4 <u>DIMENSIONS</u> See K1001/AI/D1			
			Dimension A B	(mm) (mm)	Min.	Max. 131 45
			Diameter of valve not to exceed 37 mm. up to height of 58 mm. from bottom of pins.			

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ADDITIONAL MARKING

1. The following shall appear on the bulb: -





The letter "W" shall be a $\frac{1}{4}$ " character and the other letters in $\frac{1}{8}$ " characters.

2. The valves shall be numbered, on the base or bulb, in sets of three, matched as in test 'b', each valve of a set bearing the same number which shall appear immediately in front of the factory identification code letter. Numbers shall be used progressively and shall be repeated after the 999th set.

3. Packing

For packing of matched sets - see K.1001/7.5 The package shall be labelled thus:-

One set of Three Selected Matched Valves Type CV1048 Ref. No.10CV/1048 for use in Wavemeters. To be performed in addition to those applicable in K. 1001.

	Test Conditions						Test			Limits	
L	100 00m1 010m						1086		Min.	Max.	Tested
	Me ty	Measured using Adaptor type 35 Ref. 10A/13331									
a	Se	See Kl001/AIII									
		inks to Links to Links H.P. L.P. to E				CAT	ACITANCES	(pF)			
	TCI	TC1 2		1,3,4 5,6,7 8,9,10 TC2	1.	Cag		-	0.005	6 per week	
	TCI		1	L,2,3,4	5,6,7 8,9, 10 TC2	2.	Ca-all		5.0	8.0	100%
	Vf	V	а	Vgl	Vg2						
Ъ	2.0	0		0	0	Ιf		(A)	0.135	0.165	100% or S
С	2.0	1	80	0 to -1	60	82m		(mA/V)	0.9	1.35	100%
đ	2.0	t	80 o 20	0	60	Ia change		(mA)	0.06	0. 24	100% or S
е	2.0	1	80	0	60	Ia		(mA)	1.75	3, 25	100%
f	1.8	l	80	-1	60	Igl		(µA)	-	1.0	100%
g	See	See K1001/5.8.2.				MICROPHONIC NOISE TEST					100%
h	MATCHING										
	The valve shall be matched in sets of three having the same capacitance to within 0.1pF. of each other.										