## VALVE ELECTRONIC CV3789

Specification MOA/CV3789	SECURITY
Issue 1 dated 25. 7. 61.	Specification Valve Unclassified Unclassified
To be read in conjunction with K1006,MIL-E-1/466 as amended by Page B.	

#### indicates a change

Introduct a change				
TYPE OF VALVE - Triode ENVELOPE - Glass CATHODE - Indirectly heated PROTOTYPE - 5842,417A/5842 (Note	. A)		MARKING See K1001/4	
RATING All limiting values are absolute	N	otes	<u>BASE</u> See BS448/B9A/1.1	
Heater Voltage Heater Current Max.Anode Voltage Max.Negative Grid Voltage Max.Anode dissipation Max.Cathode Current Max.Heater cathode voltage Max.Bulb Temperature  CHARACTERISTICS  gm (mA/V) Noise Factor at 45 Mc/s at 400Mc/s (db)	6.3 0.3 200 20 4.5		<u>DIMENSIONS</u> See BS448/B9A/2.1.1.	
	55 160 25 B 2 B	60 B	MOUNTING POSITION Any	
			<u>CONNECTIONS</u> Pin	
			Anode I.C. Heater Grid Grid Cathode Grid Grid Grid Grid Heater	

#### NOTES

- A. This should not be confused with the Klystron 417A
- B. At  $Va = 150v Vg1 = -1.5v (approx) R_k = 60 ohm. Ia = 25mA.$

```
This test to be performed at a frequency of 50c/s instead of
4.9.19.1
           25c/s.
                    Accelleration 2.5.g.
           This test may be performed using any other approved equipment.
4.10.3.1.
           These two tests shall be performed at Inspection Level 100%
4.10.8.
4.10.15.
           These two tests shall be performed at Inspection Level 1A,
4.10.11.1
           AQL 6.5% For the lot size see K1001.
4.40.14
          Appendix XI 3.2.
           This but shall be performed at Impletion well A , ABL 6.5%.
4-10-11-1
            For the host Size see KiDOI / Appendix 1 /3-2
LAIDIL
           Flin the shall be performed as Inspection head IA, A&L 65%.
            For the lot Sie seckwood / Appendus & /3:
             The following hims shall apply
                             Min
                                 MAY
                Ck-gh
                              7
                                  10
                                          pf
                Cp- KL
                                  0.22
                                          pf
                18-47
                                           PF
                              1.5 1.95
                                                 (Andi 2)
```

215

#### ELECTRONIC VALVE SPECIFICATIONS

### SPECIFICATION MOA/CV3789 ISSUE 1 DATED 25.7.61

#### AMENDMENT NO. 1

#### Page B

4.10.11.1 and 4.10.14. Delete these requirements in their entirety and substitute the following:-

4.10.11.1. This test, shall be performed at Inspection Level IA, A.Q.L. 6.5%. For the Lot Size, see K.1001/Appendix XI/3.2.

4.10.14. This test shall be performed at Inspection Level IA, A.Q.L. 6.5%. For the Lot Size, see K.1001/Appendix XI/3.2. The following limits shall apply:-

	Min.	Mg.x.
Ck-gh	7	10 pF.
Cp-kh	-	0.55 pF.
Cp-gh	1.5	1.95 pF.
		Zis Ameli 2

January, 1963. N.152465

T.V.C. for R.R.E.

Mar

#### ELECTRONIC VALVE SPECIFICATIONS

# SPECIFICATION MOA/CV 3789 ISSUE NO.1 DATED 25.7.61 AMENDMENT NO.2

#### Foot of Amendment No.1.

Amend the Cp-gh limits of "1.5 to 1.95 pF" to read "1.5 to 2.15 pF".

March, 1963.

T.V.C. for R.R.E.

N. 175381

VAR 28463