VALVE ELECTRONIC

ADMIRALTY SIGNAL AND RADAR ESTABLISHMENT

CV2984

Specification AD/CV2984 incorporating
MIL-E-1/209

Issue 1 Dated 25.9.58

To be read in conjunction with K1006.

SECURITY

Specification
Unclassified
Unclassified

TYPE OF VALVE - DOUBLE TRICDE CATHODE - INDIRECTLY HEATED ENVELOPE - GLASS PROTOTYPE - 6080			MARKING K1001/4 Additional Marking 6080			
<u>RATING</u> (All limiting values are absolute) Note				BASE Large wafer octal with metal sleeve.		
Heater Voltage Heater Current Max. D.C. Supply Voltage Max. D.C. Anode Current Max. Anode Dissipation Max. Heater-cathode Voltage Amplification Factor Mutual Conductance Max. Grid Resistance Max. Bulb Temperature Max. Altitude (v) (mA/V) (mA/V) (max. Bulb Temperature (max. Bulb Temperature (max. Bulb Temperature) (max. Altitude)	6.3 2.5 250 125 13 300 2.0 7.0 1.0 200 10,000	A, B A, B C	Heigh Diame			
A. Each section. B. Measured at Va = 135V, R _k = 25	NOTES					

Ratings: Ef Absolute V Maximum: 6.3£ Test Cond.: 6.3	C	V2984		j	0803-na
Ratings: Ef Absolute V Maximum: 6.3£	Eb Ec Ip/p Vdc Vdc madc	Pp/p Ehk R2g R2k W V Meg ohms 13 ≠300 Note 1 Note 1	T Bulb C 200	Alt.)
Test Cond.: 6.3	135 0	250			
*Height: 4: **Base: La	1/4 in. Max. rge Wafer Octal With Met		ter: 1 23	3/32 in	, lax.
**Pin No.: 1 Element: 2g	2 3 4 5 6 2p 2k lg lp 1		ode: Coated Lope: T-12		tential
Ref.	Test	Conditions		Min	<u>Max</u>
3.1	Qualification Approval:	Required for JAN Marking			
4.9.18.1.1	Carton Drop:	(d) Package Group 1; Carton Size F			
4.9.20.4	*Vibration:	Rp=2000 ohms; Ec= -7Vdc; Note 2	Ep:		200 mVac
4.10.8	*Heater Current:		If:	2.26	2.74 A
4.10.15	*Heater-Cathode: Leakage:	Ehk =£ 100 Vdc	Ihk:	0	50 uAdo
4.8	Insulation of Electrodes:	Ef=6.3V			
4.10.6.1	Grid Current:	Rg=1.0 Meg; Note 3	Ic:	0	-5.0 uAdc
4.10.4.1	Plate Current(1):	Note 4	Ib:	100	150 mAdc
4.10.4.1	Flate Current(2):	Eb=250Vdc; Ec=-200Vdc; Note 4	Ib:		10 mAdc
4.10.9	Transconductance (1):	Note 4; Note 6	Sm:	5800	8200umhos
4.10.9	*Transconductance(2):	Ef=5.7V; Note 4; Note 6	Sm:	5300	umhos
4.10.1.1	Emission:	Eb=Ec=15Vdc; Rk=0; Note 5	Is:	110	mAd
4.11	Life Test:	Group A; Ehk=/300Vdc;Rk=125ohms; Rg=1.0 Meg; Note 2	t:	500)hrs.
4.11.4	Life Test End Point:	Transconductance (1)	Sm:	4900	——umho
	mum Circuit Values: Current Resistance For cathode-bias operation For combined fixed and cathode-bias operation	n * 0.1 Meg. Max.			
custopians: Army-Signal Corps Navy-Bureau of Shi	ips -	CATION SHEET	мп	L-E-1/	209
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Navy - AMUMOrs

Other interest: Army - CMOT

impli thereto. JAN-6080 When fixed bias is used, the plate circuit should contain a protective resistance to provide a minimum drop of 15 Vdc at the normal operating conditions. When combined fixed and cathode-bias is used, the cathode-bias portion should have a minimum value of 7.5 Vdc at the normal operating conditions. United data that Tie lp to 2p, lg to 2g, and lk to 2k. Note 2: Note 3: With both units operating, Ic is the sum of Ilc and I2c. Note 4: With both units operating, read each unit separately. Note 5: Read each unit separately. Cround unit not under test. Note 6: Rk by-passed with 1000 uf capacitor. Note 7: Reference specification shall be of the issue in effect on the date of invitation for bids. ∯.s ₅ d for a nment or cr ahtet ony offer fact When Government drawings, specifications, or off subility, nor any obligation whatsoever; and the otherwise as in any manner licensing the holder 20 May 1953 APPROVED custodians: Army-Signal Corps Navy-Bureau of Ships Air Force

PROCUREMENT SPECIFICATION

SPECIFICATION SHEET

LOW M! TWIN POWER TRIODE, RECEIVING

6080

MIL-E-1/209

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Other interest: Army - CMOT Navy - AMDMdOrs