

Specification Mintech./CV6202 Issue 1, Dated December 1967 To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specification</u>	<u>Valve</u>
	Unclassified	Unclassified

TYPE OF VALVE: Tunable Reflex Klystron Oscillator CATHODE: Indirectly Heated ENVELOPE: Metal, Ceramic PROTOTYPE: CV2494	<u>MARKING</u> See K1001/4
	<u>BASE</u> Flying Leads, 18" long

RATINGS, CHARACTERISTICS, CONNECTIONS, DIMENSIONS

The Ratings, Characteristics, Connections and Dimensions shall be as specified in Specification Mintech./CV2494, Issue 1A, Dated October 1967. except that the Heater Current Rating = 0.85 Amps.

TESTS

The tests to be performed shall be those tests specified in Specification Mintech./CV2494, Issue 1A, Dated October 1967, amended as follows:-

- (i) GROUP A. Heater Current limits to be Min. - 0.7A, Max. - 1.0A.
(ii) GROUP F. Life Test. The following life test to be performed:-

K1001 Ref. AppVI 5.3	Test	Test Conditions	Insp. Level	Symbol	Limits		Units
					Min	Max	
	Life	At any frequency between 8500MHz and 9655MHz. Mode 5.	Note 10				
	<u>End Point</u> 1200 hours						
	Output Power			Po	32	-	mW

- (iii) NOTES. Substitute the following Note 10:-

10. Life test shall be performed on at least one sample out of every 25 valves successfully passing the Group A tests. The number of samples taken shall not be less than one during a three calendar month production. The criterion for acceptance of each batch is that the average life of all samples tested out of that batch shall not be less than 1000 hours. The valves shall run intermittently and during life test the relevant valve performance characteristics shall be measured at the following time intervals:-
100 hours; 300 hours; 500 hours; 750 hours; 1000 hours; ~~1200 hours~~
maintained ~~at~~ 12 hours.
Any valve failure occurring up to the 100 hour measuring point shall be disregarded and removed from the test. A further sample shall then be submitted to life test.
A valve known to be satisfactory at one measuring point but unsatisfactory at the next measuring point shall be accorded the number of hours accumulated to the mid-point between the two measuring points.
Failure of a valve due to associated test equipment failure shall not be considered a valve failure and under these circumstances a further sample shall be submitted to life test.

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