MINISTRY OF AVIATION - DLRD/RRE

VALVE ELECTRONIC

CV4524

Specification MOA/CV 4524

Issue 1 dated 3rd January, 1962

To be read in conjunction with K1001

SECURITY

Specification Valve

Unclassified Unclassified

indicates a change

TYPE OF VALVE: Rugged Tunable Klystron oscillator with integral cavity and waveguide output			MARKING See K1001/4	
CATHODE: Indirectly-heated			Addition Marking	
ENVELOPE: Shielded metal glass			Serial No.	
PROTOTYPE: CV4515			DAOR GODDWARTONG	
RATING All limiting valves are absolute Note				BASE, CONNECTIONS, DIMENSIONS, MOUNTING POSITION, AND NOTES
Heater Voltage (V) Heater Current (A) Mechanical Tuning Frequency (Mc/s)		6.3 0.56 8970 to	В	See specification CV4515 Issue 1 dated 17/11/58
Min. R.F. Power Output (mW) Max. Resonator Voltage (V) Max. Resonator dissipation (W) Reflector Voltage Range (Vres = 350V)(V)		10,000 30 400 20 -250 to	С	
Min. Electronic Min. Electronic at Mode optim	tuning Gradient (Mc/s/V) dance in Reflector	±10 0.5		
Max. operating Ambient temperature (°C)		70		
Range Max. Body tempe Max. Vibration		-60/+85 165	D	· .
Max. Constant A Min. Operating	duration Max.) (g) acceleration (g)	20 50 20	E	

TESTS

The tests required by specification MOS/CV 4515 shall be performed except that -

- (a) the frequency tuning range or band where mentioned, shall read 8970 to 10,000 Mc/s and
- (b) test frequency (a) in Note 4, page 6, shall be amended to read 8970 Mc/s JOINT SERVICE CATALOGUE NUMBER: 5960/99/037/2538