

Associated Electrical Industries Limited

Applications Laboratory
Radio & Electronic Components Division
Brimdawn, Enfield, Middlesex.

SUBJECT

TENTATIVE

DATE: 24th March, 1960.
T.D.S. No. 6-V1609-0-1

VALVE TYPE 16P12 JEDEC Type 7974										
DIMENSIONS			mm		TYPE		Water cooled triode with integral cooling.*			
OVERALL LENGTH		MAX	211		Cathode		Thoriated Tungsten Filament.			
RATINGS										
*Filament Voltage					(V)	8.0 ± 5%		NOTE		
Filament Current					(A)	26.0				
Maximum D.C. Anode Voltage					(kV)	8.0				
Maximum Peak Cathode Current					(A)	6.0				
Maximum Anode Dissipation					(kW)	3.0				
Maximum Operating Frequency										
(Limited by water connections)					(Mc/s)	10				
(Limited by valve)					(Mc/s)	40				
NOTES:- * Filament is suitable for direct switching.										
CAPACITANCES PF					BASE		CAP			
ELECTRODES					PIN	ELECTRODE				
g	TO	a	11.5		1					
g	TO	f	14.5		2					
a	TO	f	0.8		3					
	TO				4					
	TO				5					
	TO				6					
	TO				7					
	TO				8					
	TO				CAP					
The symbol 'E' denotes the electrodes of any second valve section and the remaining empty potential electrodes of the section under measurement. h & m joined to cathode unless otherwise stated. Measurement with valve cold.										
					VIEW OF FREE END					
					EXTERNAL ANODE 9.525 mm, 3.8, 5.4, 7.938 mm, 46mm P.C.D.					
MOUNTING POSITION :-										
CHARACTERISTICS										
Anode Voltage					(kV)	5				
Anode Current					(mA)	400				
Mutual Conductance					(mA/V)	7.5				
Amplification Factor						24				

from JEDEC release #3143, Feb. 13, 1961

* This is the water cooled version of the 8SA1500 with integral water cooling.

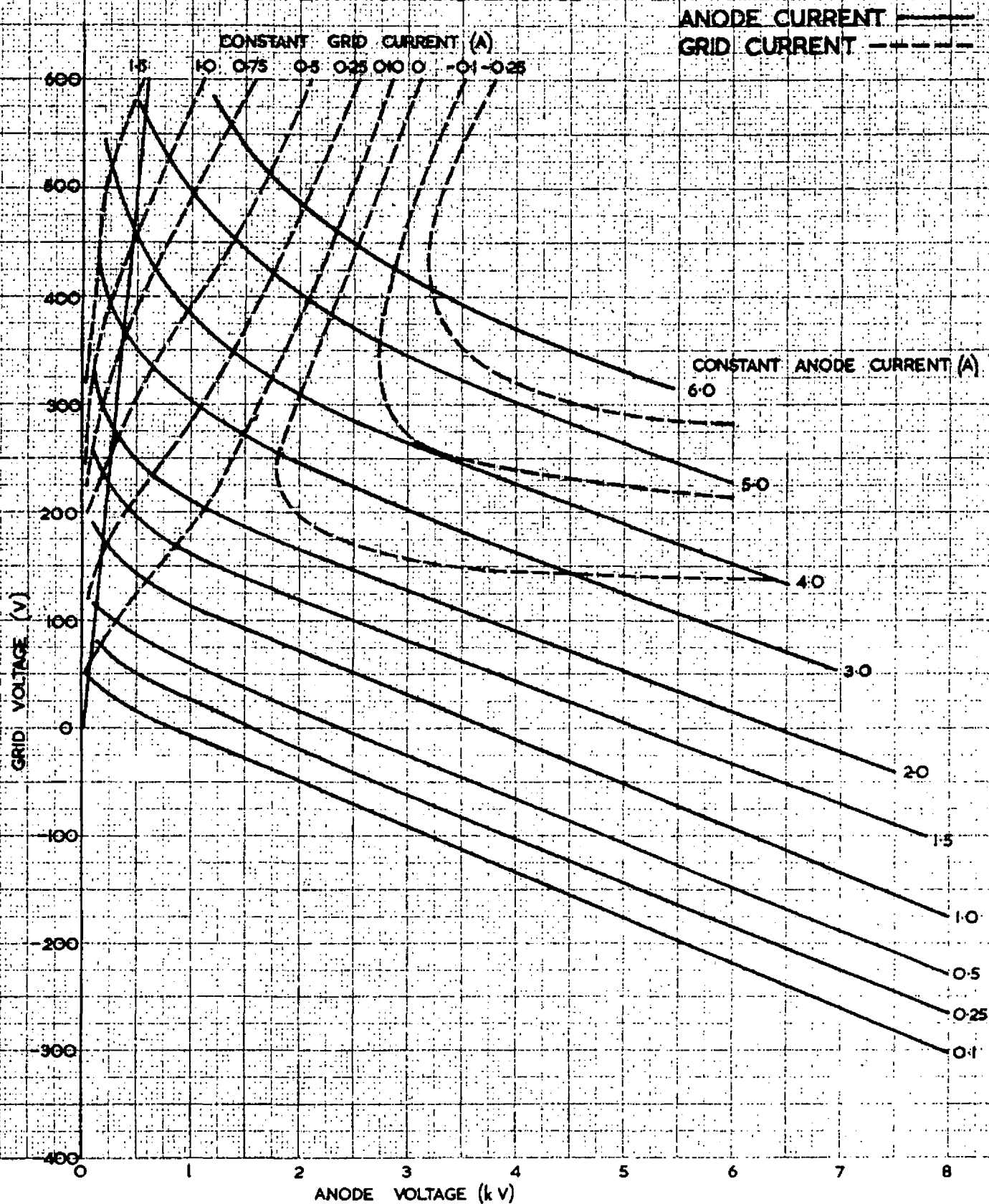
H. 18-8-60.

V1609

GH

TENTATIVE CHARACTERISTIC CURVES OF EDISWAN VALVE TYPE 16P12

CONSTANT CURRENT CHARACTERISTICS



f.b. 12.9.60.

V1609 GI

Associated Electrical Industries Limited

Applications Laboratory

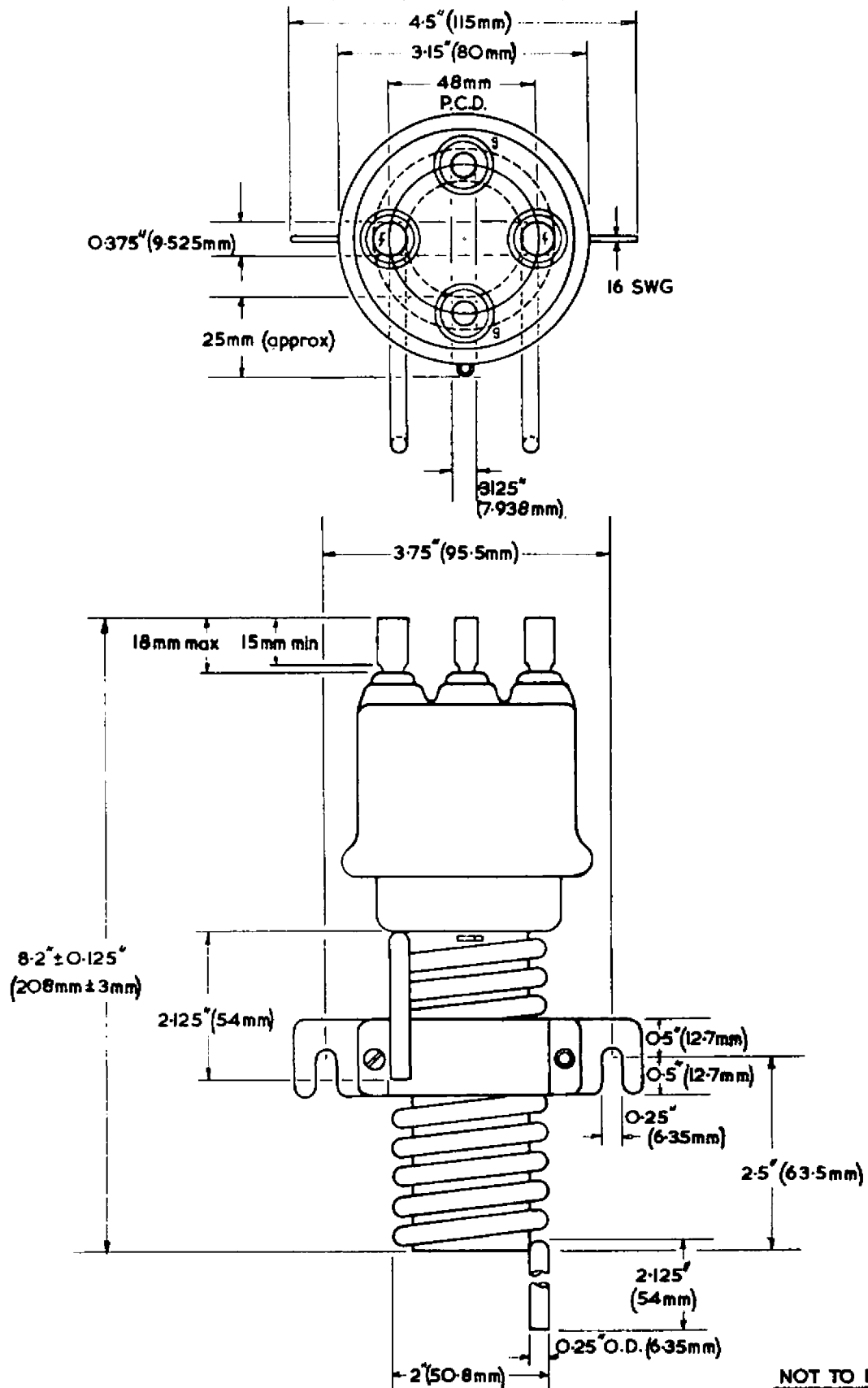
Radio & Electronic Components Division
Brimdawn, Enfield, Middlesex.

JEDEC Type 7974

SUBJECT

DATE: 18th October, 1960.
T.D.S. No. 6-V1609-90-1

OUTLINE DRAWING FOR VALVE TYPE 16PI2



NOT TO BE SCALED

← INDICATES A CHANGE SINCE PREVIOUS ISSUE.

f.b. 18.10.60.

V1609