

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		
OVERALL LENGTH	MAX	211	Water cooled triode with integral cooling.*		
			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.					
MOUNTING POSITION :-					
<u>CHARACTERISTICS</u>					
Anode Voltage			(kV)		5
Anode Current			(mA)		400
Mutual Conductance			(mA/V)		7.5
Amplification Factor					24

18-8-60.

V1609

GII

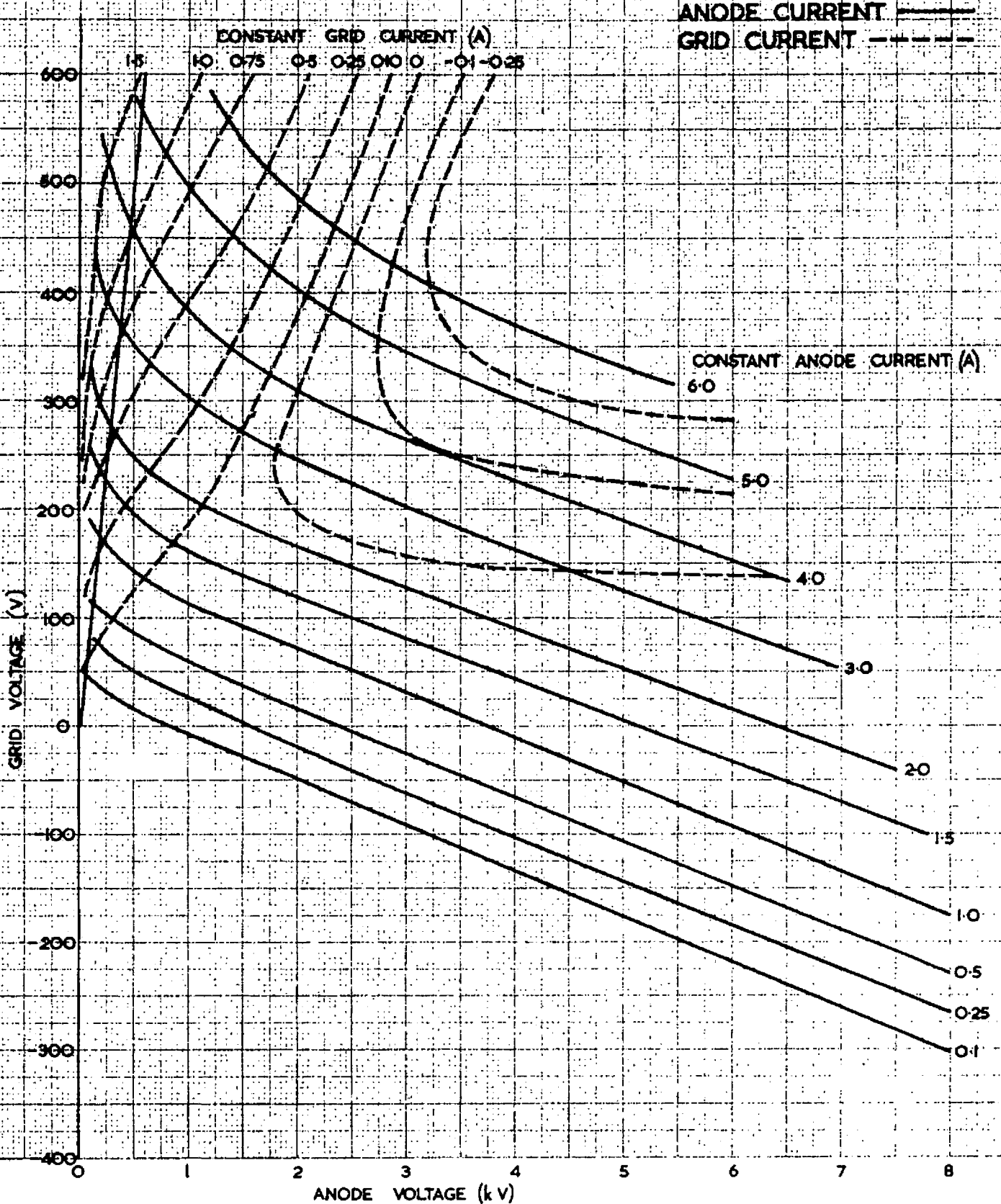
from JEDEC release #3143, Feb. 13, 1961

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

← INDICATES A CHANGE SINCE PREVIOUS ISSUE.

TENTATIVE CHARACTERISTIC CURVES OF EDISWAN VALVE TYPE 16P12

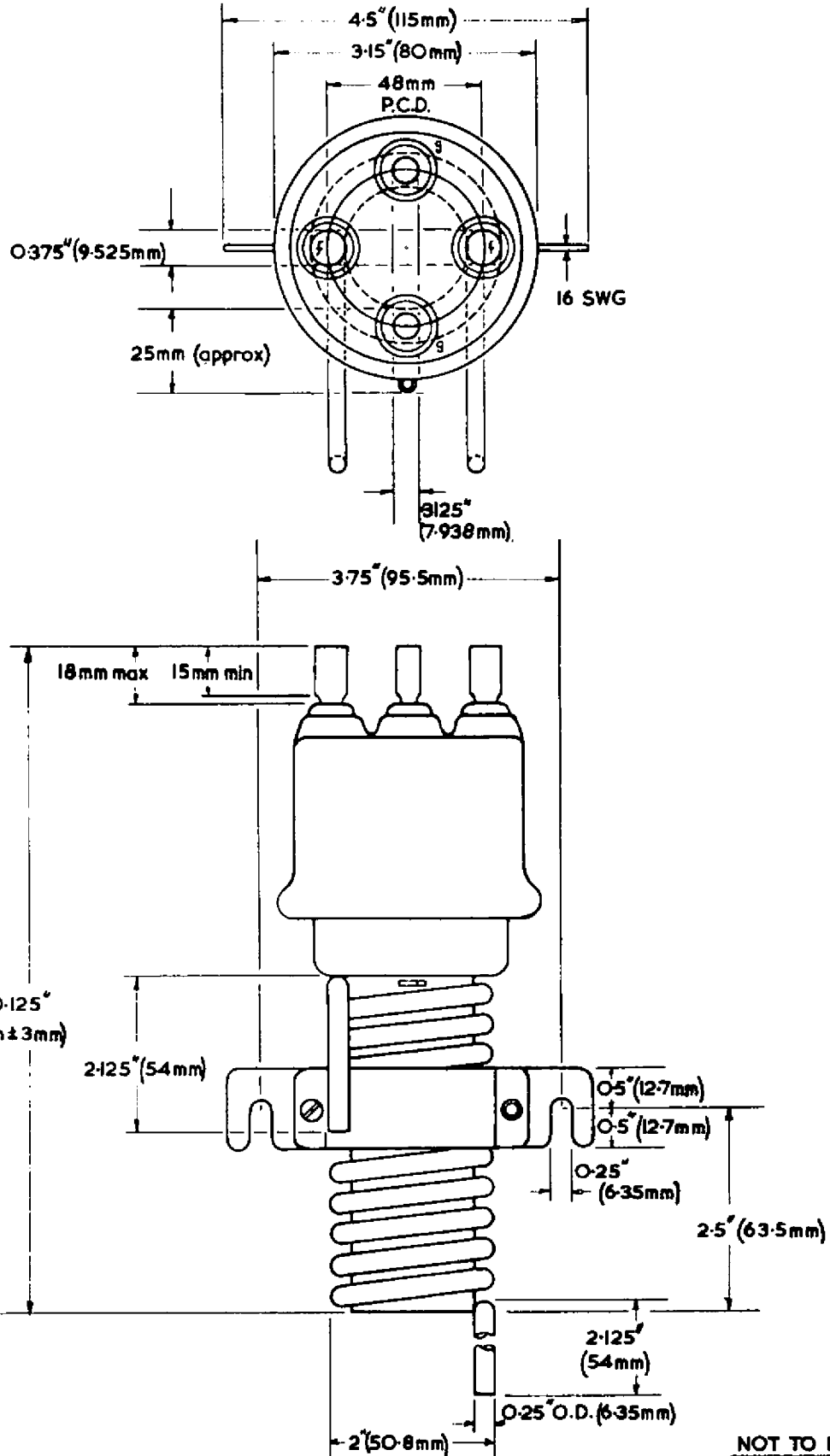
CONSTANT CURRENT CHARACTERISTICS



SUBJECT

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

OUTLINE DRAWING FOR VALVE TYPE 16P12



f.b. 18.10.60.

V1609

NOT TO BE SCALED

← INDICATES A CHANGE SINCE PREVIOUS ISSUE.