### **EDISWAN** 21N12

# MERCURY VAPOUR THYRATRON

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### Indirectly heated TENTATIVE

### **GENERAL**

The 21N12 is a convection cooled Mercury Vapour Thyratron. It has an indirectly heated oxide coated cathode and it is intended for use in power supplies and welding equipment,

#### RATING—Absolute Values

Heater Voltage	٧h	5·0±5%	٧
Heater Current (nominal)	lh	5.0	Αţ
Maxiumum Peak Forward Anode Voltage		10	kV
Maximum Peak Inverse Anode			
Voltage	P.I.V.(max	) 10	kV
Maximum Anode Voltage Drop		18	٧
Maximum Mean Cathode Current (max averaging 15 secs)	lk(av)max	3	Α
Maximum Peak Cathode Current	ik(pk)max	25	Α
Maximum Surge Cathode Current (0·1 sec)	<b>"</b>	250	Α
Maximum Grid Resistance	Rg(max)	100	kΩ
Maximum Supply Frequency	· · ·	150	c/s
Condensed Mercury Temperature Limits	⊤Hg	35 to 70	°C

<sup>†</sup> The heater must be switched on for a minimum of three minutes before the anode voltage is applied.

### DIMENSIONS

Maximum Overall Length	248	mm
Maximum Diameter	59	mm
Maximum Seated Height	240	mm

December, 1960

Advance Data

Associated Electrical Industries Limited

### EDISWAN 2INI2

### MERCURY VAPOUR THYRATRON

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### MOUNTING POSITION-Vertical, base down.

### CHARACTERISTICS

211412

Critical Grid Current (at Va=6kV)		<10	μΑ	
Control Ratio (nominal)		100 : 1		
Ionization Time (approx)	ti	10	μs	
De-ionization Time (approx)	۲d	1,000	μs	

#### TOP CAP-CT3

BASE-B4F

### CONNECTIONS

Pin 1	Grid	g
Pin 2	Heater	, h
Pin 3	No Connection	NC
Pin 4	Heater, Cathode	h, k
Can	Anode	а

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