

**EDISWAN**  
**21B12**  
 INERT GAS FILLED THYRATRON  
 Directly heated  
**TENTATIVE**

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GENERAL

The 21B12 is an Inert Gas Filled Thyatron suitable for welding or motor control. It has a directly heated oxide coated cathode.

RATING

Filament Voltage	$V_f$	2.5 V
Filament Current	$I_f$	9.0 A
Maximum Peak Forward Anode Voltage		1.0 kV
Maximum Peak Inverse Anode Voltage		1.25kV
Maximum Mean Cathode Current	$I_{k(av)max}$	2.5 A
Maximum Peak Cathode Current	$i_{k(max)}$	30 A
Maximum Grid Voltage (before Conduction)	$V_g(max)$	300 V
Maximum Grid Voltage (after Conduction)	$V_g(max)$	10 V
Control Ratio		200 : 1
Maximum Striking Voltage for Conduction		70 V
Voltage Drop		12 V
Ambient Temperature Range		-55° to +75° C

DIMENSIONS

Maximum Overall Length	158 mm
Maximum Diameter	40 mm

MOUNTING POSITION—Unrestricted.

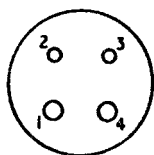
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CAP—CT3.

BASE—UX4 (E.I.A. No. A4—10).



Viewed from free end of pins

CONNECTIONS

Pin 1	Filament	f
Pin 2	Filament Centre Tap	fct
Pin 3	Grid	g
Pin 4	Filament	f
Cap	Anode	a

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December, 1960

ADVANCE DATA

**Associated Electrical Industries Limited**

RADIO & ELECTRONIC COMPONENTS DIVISION