

EDISWAN

21B12

INERT GAS FILLED THYRATRON

Directly heated

TENTATIVE

21B12

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		1.25	kV
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.

December, 1960

ADVANCE DATA

Associated Electrical Industries Limited

RADIO & ELECTRONIC COMPONENTS DIVISION

21B12

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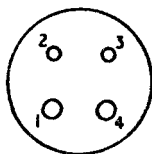
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CAP—CT3.

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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