



ELECTRONIC TUBE REFERENCE

ACT28A

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Industrial transmitting power triode intended for RF amplification, oscillation, or modulation. Manufacturer data emphasize substantial plate power, professional transmitter operation, and construction suited to continuous high-power service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	16 V / 7.3 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.05 S
MAXIMUM PLATE VOLTAGE	13000 V
MAXIMUM PLATE DISSIPATION	1500 W
Published maximum ratings and characteristics audited; remaining useful numerical data retained in TUBE_SECTION_PARAMETER.	

The ACT28A is a forced-air-cooled disc-seal pulse-oscillator triode for pulsed or continuous-wave operation up to about 600 MHz, with very high pulse output capability.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1955 Marconi

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1955 MARCONI

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
The ACT2	8	The ACT28A is a triode with an indirectly heated oxide coated cathode intended for use
as an oscillator at frequencies up to	600 MHz	as an oscillator at frequencies up to 600Mc/s under pulsed or c.w. conditions. A pulse
output of about [1]	300 MHz	output of about 300kW per valve is attainable at 220Mc/s.
output of about [2]	220 MHz	output of about 300kW per valve is attainable at 220Mc/s.
V, (pulse)	13	V, (pulse) 13 kV
I _{agav}) (during pulse)	50	I _{agav}) (during pulse) 50 A
Anode line i.d [1]	4	Anode line i.d.: 4-75in. Grid line o.d.: 4in,
Anode line i.d [2]	-75	Anode line i.d.: 4-75in. Grid line o.d.: 4in,
Anode line i.d [3]	4	Anode line i.d.: 4-75in. Grid line o.d.: 4in,
Frequency [1]	200 MHz	Frequency: 200 400 400 600 Mc/s
Frequency [2]	400 MHz	Frequency: 200 400 400 600 Mc/s
Frequency [3]	400 MHz	Frequency: 200 400 400 600 Mc/s
Frequency [4]	600 MHz	Frequency: 200 400 400 600 Mc/s
Air flow to anode [1]	150	Air flow to anode: 150cu.ft./min. at 3in. water gauge
Air flow to anode [2]	3	Air flow to anode: 150cu.ft./min. at 3in. water gauge
Air flow to grid seal	20	Air flow to grid seal: 20cu.ft./min.
Published value	2	2 Grid contact

TUBE TINKER

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and their source documents.

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