

ELECTRONIC TUBE REFERENCE

ZP1018

Power - Tetrode (NOT beam) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

Heat-sink and forced-air-cooled L-band tetrode for grid-pulsed RF amplifier and oscillator operation. Designed for short high-power pulses at microwave frequencies, it provides useful output into approximately the 1.5 GHz region.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 3.8 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
MAXIMUM PLATE VOLTAGE	2000 V
MAXIMUM SCREEN VOLTAGE	750 V
MAXIMUM PLATE DISSIPATION	150 W
Promoted fields mapped semantically from printed ratings/characteristics headings; pulsed and microwave-specific limits remain in parameter rows when fixed-field semantics are ambiguous.	

Heat-sink/forced-air-cooled grid-pulsed L-band tetrode for amplifier or oscillator service.



SOURCE PDF

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

Section 1 · Tetrode

TUBE TINKER · ZP1018

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DCGrid-No. 2 Voltage ittt et eennensoss 600	600 V	DCGrid-No. 2 Voltage ittt et eennensoss 600 600 Volts
DC Grid-No. 2 Current, duringpulse. v v vt 50	0 mA	DC Grid-No. 2 Current, duringpulse. v v vt 50 0 Milliamperes
DCGrid-No. 1 Voltage it ittt ittt erononnnns -70	-70 V	DCGrid-No. 1 Voltage it ittt ittt erononnnns -70 -70 Volts
DC Grid-No. 1 Current, duringpulse 0t veurenn 90	80 mA	DC Grid-No. 1 Current, duringpulse 0t veurenn 90 80 Milliamperes
Driving Power at the Tube, duringpulse 165	95 W	Driving Power at the Tube, duringpulse 165 95 Watts
Power Output, during pulse (useful) 1.6	1 kW	Power Output, during pulse (useful) 1.6 1.0 Kilowatts
Pulse Width it it i ittt 6	6 us	Pulse Width it it i ittt 6 6 Microseconds
Diameter A	0.03 in	Diameter A - 0,030 inches
Diameter B	0.016 in	Diameter B - 0,016 inches
Diameter C	0.036 in	Diameter C - 0,036 inches
Diameter D	0.042 in	Diameter D - 0.042 inches
ment terminal diameter (C) - 0	16 in	ment terminal diameter (C) - 0. 016 inches.

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Temperature \$, MaxXimuIm . « + « « v o v o v vt ittt vt e vt i et	250 C	Anode Temperature \$, MaxXimuIm . « + « « v o v o v vt ittt vt e vt i et 250 C
Ceramic Temperature at Any Point, maximum	200 C	Ceramic Temperature at Any Point, maximum 200 C