



ELECTRONIC TUBE REFERENCE

3KM4000LT

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
KLYSTRON

Three-cavity magnetically focused pulse-amplifier klystron for approximately 960-1215 MHz service, optimized for high-power pulsed microwave amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7.5 V / 5.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Klystron	
MAXIMUM CATHODE CURRENT	6 A
<i>Klystron electron-beam section. Schema has no beam-voltage/collector-dissipation promoted fields; those published ratings are preserved below as parameters. MaxCathodeCurrent uses published maximum beam current where available.</i>	

The EIMAC 3KM4000LT is a three-cavity magnetically focused pulse-amplifier klystron for 960-1215 MHz service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 Eimac

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

1962 EIMAC

Section 1 · Klystron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC beam voltage	28000 V	—
Maximum DC beam current	6 A	—
Maximum collector dissipation	4000 W	—
pulse-amplifier klystron. It will deliver a peak output power of 40	—	—
between 960 and 1215 megacycles. Nominal power gain is 33 db.	—	—
vides an effective means of pulse modulating the output power	—	—
full rated pulse output power.	—	—
signed for use with the 3KM4000LT to cover the frequency range of	—	—
Power Gain (Nominal) « - - - - - ~ - - 33 db	—	—
Average Output Power = ~ - - ~ = « - - 1 kilowatt	—	—
Peak Output Power - - - = - - - - 40 kilowatts	—	—
Frequency Range (In H-116 Assembly) 960 to 1215 megacycles	—	—
Peak Output Power - - - - - - - 30 36 40 kilowatts	—	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power Gainh = 37.7 38.5 39 db	- - - - - = ~ = -	—

TUBE TINKER

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