

OBJECTIVE TECHNICAL INFORMATION

These ratings represent the design objective for this product. Refer to the Preliminary Technical Information sheet for ratings currently achieved in the progression towards design objectives. If PTI sheets do not exist, consult your local Tube Department Regional Sales Office.

DEVELOPMENTAL
TYPE

ZM-3126
OTI-68A
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ZM-3126

TRAVELING-WAVE TUBE

1 Kilowatt Peak Power Output

8500-9600 Megacycles

Periodic Permanent Magnet

The ZM-3126 is a high-power, gridded traveling-wave tube with the following objective ratings and features.

ELECTRICAL

Frequency	8500-9600	Megacycles
Cathode Voltage	-10	Kilovolts
Saturation Peak Power Output, minimum	1	Kilowatt
Saturation Gain, minimum	35	Decibels
Duty Cycle, maximum	0.01	
Pulse Length, maximum	6	Microseconds
Focusing - Periodic Permanent Magnet		
Grid Amplification Factor	25	

MECHANICAL

Tube Construction - Metal-Ceramic		
Dimensions, approximate		
Length	17	Inches
Diameter	3	Inches
Total Weight, approximate	15	Pounds
RF Connections - Waveguide		

THERMAL

Cooling - Liquid

