

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 Power Tube Department Regional Sales Office.

DEVELOPMENTAL
TYPE

ZM-3127
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This technical information is proprietary and is furnished only as a service to customers.

ZM-3127

TRAVELING-WAVE TUBE

10 Kilowatts Peak Power Output

8500-9600 Megacycles

Periodic Permanent Magnet

The ZM-3127 is a high-power, gridded traveling-wave tube with the following objective ratings and features.

ELECTRICAL

Frequency	8500-9600	Megacycles
Cathode Voltage	-25	Kilovolts
Saturation Peak Power Output, minimum	10	Kilowatts
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	8	Inches
Total Weight, approximate	15	Pounds
RF Connections - Waveguide		

THERMAL

Cooling - Liquid

