

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-3129
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ZM-3129

TRAVELING-WAVE TUBE

1 Megawatt Peak Output
30 db Saturation Gain

8500-9000 Megacycles
Metal-Ceramic

Periodic Permanent Magnet

The ZM-3129 is a lightweight high-power traveling-wave tube.

ELECTRICAL

Frequency	8500-9000 Megacycles
Saturation Peak Power Output, minimum	1 Megawatt
Saturation Gain, minimum	30 Decibels
Duty Cycle, maximum	.005
Pulse Length, maximum	6 Microseconds
Cathode Voltage	100 Kilovolts
Focusing Method - Periodic Permanent Magnet	

MECHANICAL

Construction - Metal-Ceramic	
Dimensions, approximate	
Length	22 Inches
Diameter	8 Inches
Total Weight, approximate	35 Pounds
RF Connections - Waveguide	

THERMAL

Cooling - Liquid

