

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-3130
OTI-75
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ZM-3130

TRAVELING-WAVE TUBE

1 Megawatt Peak Output
30 db Saturation Gain

8500-9000 Megacycles
Metal-Ceramic

Solenoid

The ZM-3130 is a 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	0.05
Pulse Length, maximum	6 Microseconds
Cathode Voltage	100 Kilovolts
Focusing Method - Solenoid	

MECHANICAL

Construction - Metal-Ceramic	
Dimensions, approximate	
Length	22 Inches
Diameter (including solenoid)	10 Inches
Total Weight, approximate (including solenoid)	65 Pounds
RF Connections - Waveguide	

THERMAL

Cooling - Liquid

