

OBJECTIVE
TECHNICAL INFORMATION

These ratings represent the design objective for this tube.

DEVELOPMENTAL
TYPE

Z-3086
OTI-56A
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TRAVELING-WAVE TUBE

Z-3086

The Z-3086 is a lightweight high-power traveling-wave tube with the following objective ratings and features.

Electrical

Frequency	8500-9600 Megacycles
Power Output, minimum	30-50 Kilowatts
Power Gain, minimum	50-60 Decibels
Duty Cycle, maximum	0.005
Pulse Length, maximum	6 Microseconds
Focusing	Periodic Permanent Magnet

Mechanical

Tube Construction	Metal-Ceramic
Dimensions, approximate	
Length	20 Inches
Diameter	3.5 Inches
Total Weight, approximate	17 Pounds
RF Connections	Waveguide
Cooling Method	Liquid

