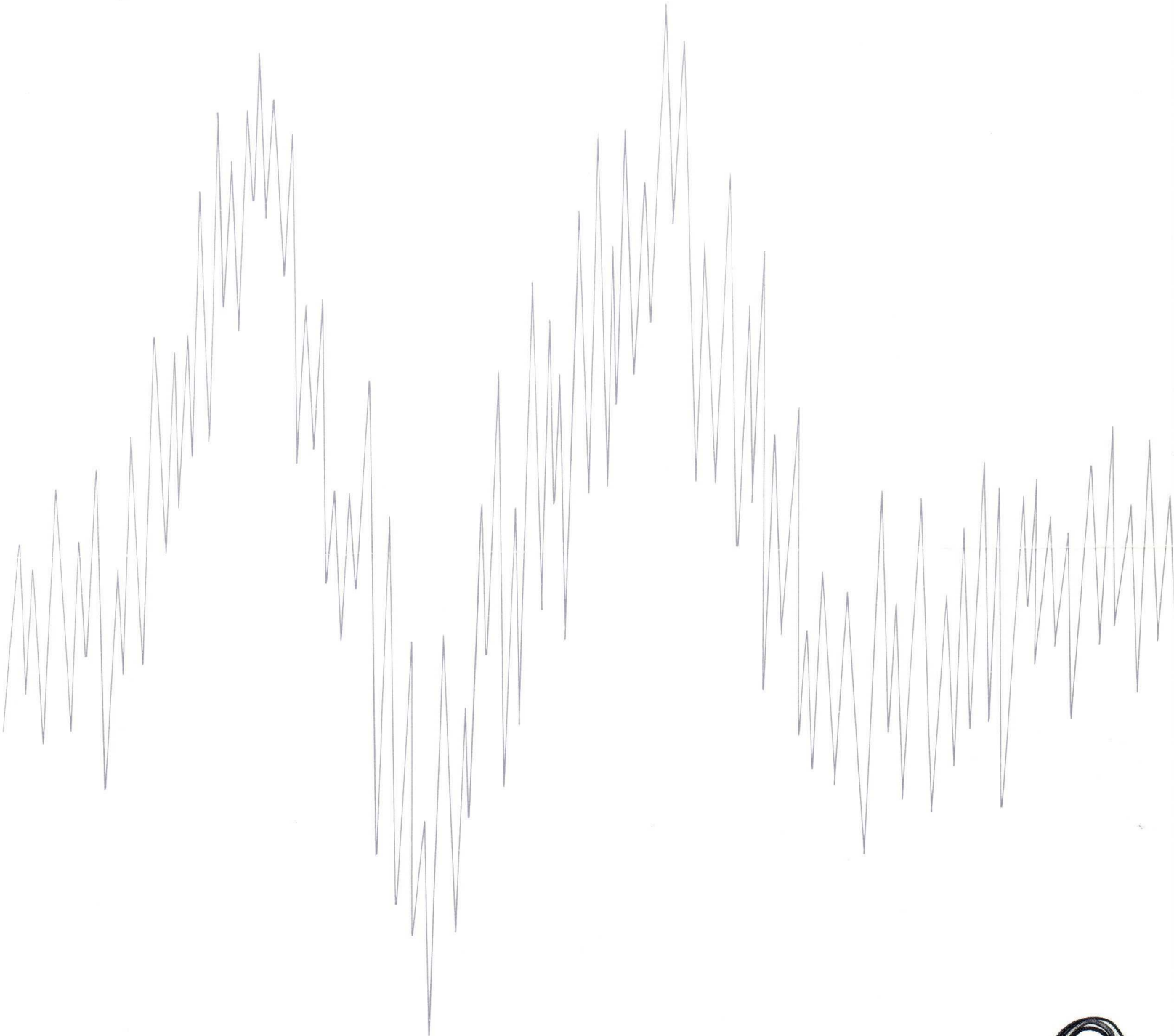


SYLVANIA MICROWAVE DEVICE DIVISION



100 WATT CW TRAVELING WAVE TUBE

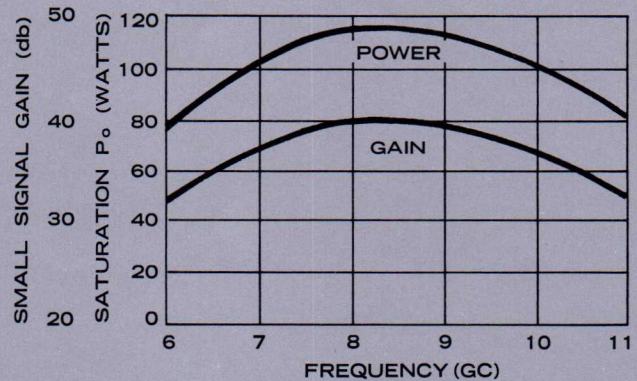


**SYLVANIA
PPM-FOCUSED
TWT
AMPLIFIER
100 WATTS
CW POWER
IN X-BAND**

The high performance of the Sylvania type SYT-4369 traveling-wave tube is made possible by a newly developed technique for utilizing the broadband helix slow-wave structure in a high-power tube. The data shown on these pages have been verified by extensive operation of prototype tubes. Power output, small-signal gain, and operating bandwidth are subject to continued improvement as design refinements are made. Further technical data, and price and delivery information on type SYT-4369 can be obtained from the nearest Sylvania sales office shown on the back cover.

type SYT-4369
 100 watts CW
 wideband-7-10G.
 30db gain
 PPM focused
 weight 2 lbs
 including
 focusing assembly
 air cooled
 metal ceramic construction
 high efficiency —20% with
 depressed collector

TYPICAL R-F PERFORMANCE



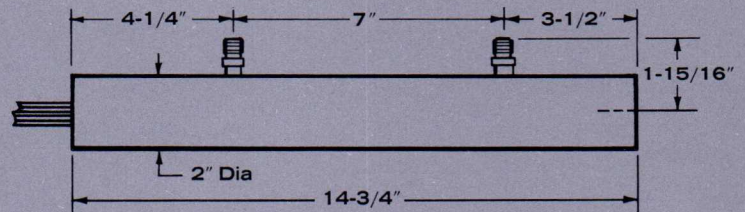
MECHANICAL CHARACTERISTICS

<i>R-F Connectors</i>	<i>TNC</i>
<i>D-C Connectors</i>	<i>Flying leads</i>
<i>Weight</i>	<i>2 lbs.</i>
<i>Cooling Air (at sea level)</i>	<i>50 cfm</i>
<i>Dimensions</i>	<i>see outline</i>
<i>Mounting Position</i>	<i>Any</i>

ELECTRICAL CHARACTERISTICS

<i>Cathode Voltage</i>	<i>-5.6 KV</i>
<i>Cathode Current</i>	<i>150 ma</i>
<i>Anode Voltage</i>	<i>200 Volts</i>
<i>Collector Voltage</i>	<i>-2.3 KV</i>
<i>Heater Voltage</i>	<i>6.3 Volts</i>
<i>Helix and Shell</i>	<i>Ground</i>

OUTLINE



ATLANTA:

T. S. Booth
2115 Sylvan Road, S.W.
Atlanta, Georgia
404—POplar 6-3633

BALTIMORE:

K. L. LaPlante
31 Allegheny Avenue
Towson 4, Maryland
301—VALley 3-2550

CHICAGO:

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2001 North Cornell Avenue
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333 West First Street
Dayton 2, Ohio
513—BALdwin 3-6227

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Fort Wayne, Indiana
T3-1145

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1120 Connecticut Avenue, N.W.
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202—FEderal 7-6600

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SYLVANIA
SUBSIDIARY OF
GENERAL TELEPHONE & ELECTRONICS 