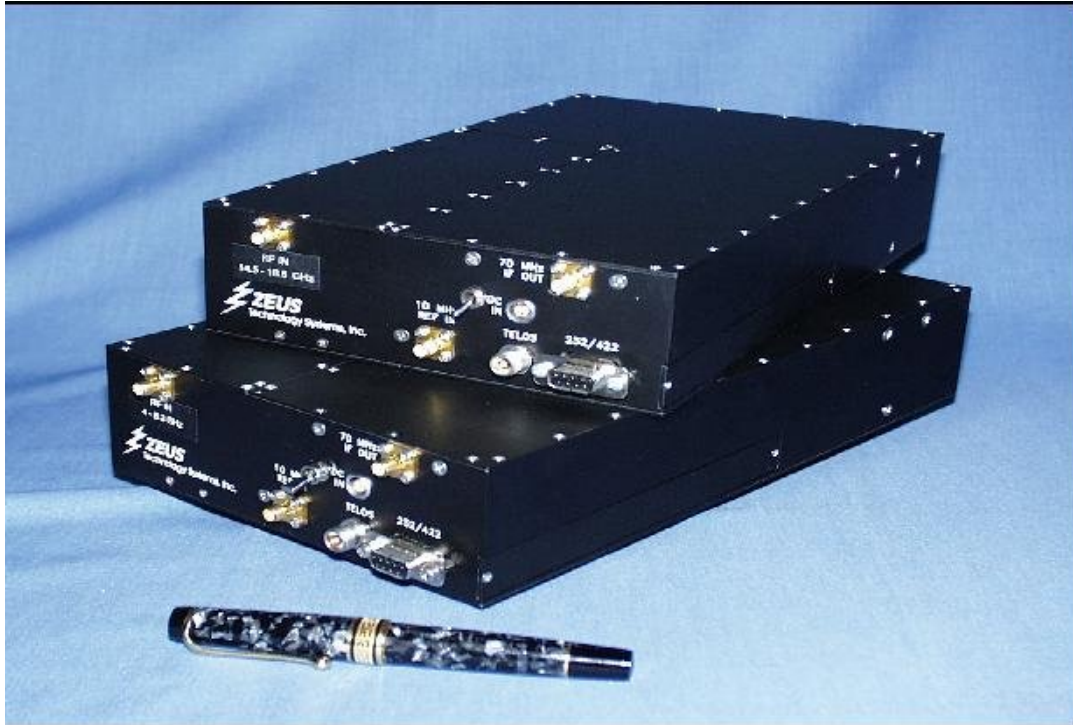




ZEUS Technology Systems, Inc.
Technical Data Sheet

ZMT-200
Miniature Microwave Tuners



DESCRIPTION

The Zeus Technology Systems' Model **ZMT-200** family of Miniature Microwave Set On Tuners features contiguous coverage from 0.5 GHz to 27.0 GHz across the set of eight compact 2.25" x 6.5" x 11" chassis. In spite of the extremely compact packaging the **ZMT-200** family delivers the superior performance required to handle the modern analog and digital modulated signals, yet consumes less than 26 watts (significantly less for some tuners). Features such as five selectable IF bandwidths, excellent sensitivity, high dynamic range, extremely low Noise Figure, low phase noise, and fine-tuning resolution make field set up easier.

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All specifications subject to change without notice

FEATURES

- **0.5 to 27 GHz** contiguous coverage
- Multiple selectable 70 MHz IF wideband outputs: **2 MHz; 6 MHz; 12 MHz; 25 MHz; 36 MHz** and **50 MHz** (Other BW's optional)
- Small size: **2 1/4" x 11" x 6 1/2"** (Chassis less than a 1/10 of a cubic foot)
- Light weight: **≤ 11 lbs**
- Minimal Power: **≤ 26 Watts**
- Low Noise Figure: **4.2dB ≤ NF ≤ 7.0 dB**
- Low Phase Noise: **≤ 0.4⁰ RMS**
- **RS-232, RS-422** and **Manual Control**

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ZMT-200 Series SPECIFICATIONS

Frequency Coverage	0.5 GHz through 27 GHz, contiguous coverage with eight tuners:
ZMT-205	0.5 - 4.2 GHz
ZMT-208	4.0 - 8.2 GHz
ZMT-211	8.0 - 11.0 GHz
ZMT-215	11.0 - 14.5 GHz
ZMT-219	14.5 - 18.5 GHz
ZMT-220	17.6 - 20.3 GHz
ZMT-224	20.2 - 24.2 GHz
ZMT-227	24.0 - 27.0 GHz
IF Center Frequency	70 MHz (140 MHz optional)
70 MHz IF Bandwidth	2; 6; 12; 25; 36 and 50 MHz, selectable (Any 5 of above available; other choices optional)
Tuning Resolution	1 KHz
Integrated Phase Noise	< 0.4 ⁰ RMS
LO Spurious	< -60 dBc
Noise Figure	4.2 - 7.0 dB Noise Figure, typical
Image Rejection	>60 dB
VSWR	2.0:1
AGC Gain Control Range	-90 dBm to -30 dBm
IF Output Power in AGC	-15 dBm nominal over -90 to -30 dBm
Reference Frequency	Internal, or External, Auto switching
Power	20 to 26 Watts, depending on tuner model
Size	2 ¼" x 11" x 6 ½"
Weight	11 lbs
Control	RS-232, RS-422 and Manual Control
Operational Temperature	0 to +60 ⁰ C

OPTIONS

★ Downconverter

★ Demodulator

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