

Power Monitor Model STZ 200



FEATURES

- Low Barrier Schottky Diode
- Low VSWR, < 1.5:1 to 18 GHz
- Flat Frequency Response, .01 to 26.5 GHz
- -20 to +20 dBm Dynamic Range



Description/Applications

The STZ200 Power Monitor is designed to operate with 0 dBm RF input and no d.c. bias. These devices provide a flat output of 150 mV nominal at +25°C, and vary by less than ±1.5 dB over MIL-Spec temperature ranges.

Commonly used in transmitters for EW, radar, or communications, power monitors are a key element in automatic leveling (ALC) loops and in BITE circuitry which indicates system performance status. These power monitors mate directly with SMA, or with APC-3.5 connectors.

Environmental Ratings -- See Page 15

Power Monitor Performance

Specifications @ 25°C, $P_{in} = 0$ dBm

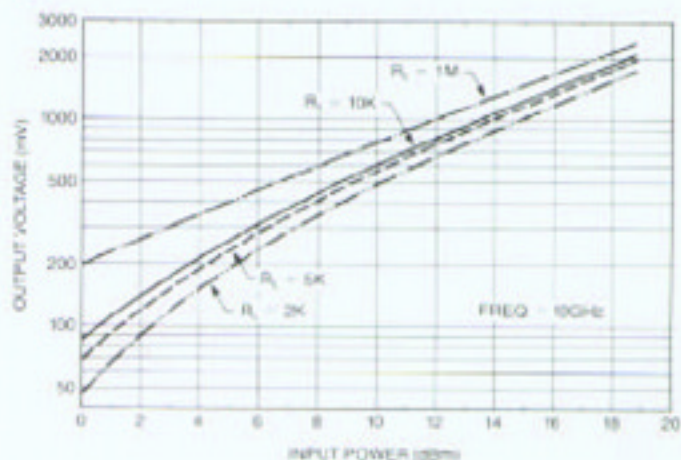
Specifications	Typ.	Min.	Max.
Frequency Range (GHz)		0.01-26.5	
VSWR ¹⁻² , 0.01 - 26.5 GHz			2.0:1
Output Voltage ¹⁻³ (mV)	200	100	
Output Polarity			
STZ200 -- Negative			
STZ200P -- Positive			

Outline Drawing -- B1

- NOTES: 1. Measured with $P_{in} = 0$ dBm, $R_L = 1$ MegOhm.
 2. Typical VSWR is 1.5:1 from 10 MHz to 20 GHz.
 3. Minimum guaranteed output from -55°C to +125°C.

For outline drawings, see page 22.

Typical Transfer Curve



Output Voltage & Return Loss vs Frequency

