

<b>ST265 SMA Schottky Diode CW USB Power Sensor</b>	
Frequency	10 MHz to 26.5 GHz
Measurement range	-50 to +20dBm CW
Operating Temperature	0 to 50 deg C
Shock	25G, 11 ms
Vibration	15G, 100 to 2000Hz
Linearity error 25 ± 5 deg C	±0.27 dB; -35dBm to +20dBm; 10 MHz to 26.5 GHz
Cal factor error 25 ± 5 deg C	±0.16 dB; 10 MHz to 6 GHz ±0.19 dB; 6 GHz to 18.5 GHz ±0.21 dB; 18.5GHz to 26.5 GHz
Linearity variation 25 ± 25 deg C	±0.2 dB; 10 MHz to 6 GHz; -35dBm to +20 dBm ±0.25 dB; 6 GHz to 18.5 GHz; -35dBm to +20 dBm ±0.46 dB; 18.5 GHz to 26.5 GHz; -35 dBm to +20 dBm
Cal factor variation 25 ± 25 deg C	±0.2 dB; 10 MHz to 6 GHz ±0.3 dB; 6 GHz to 18.5 GHz ±0.35 dB; 18.5 GHz to 26.5 GHz
Zero set	±1.6 nW
Noise	0.14nW standard deviation
Input SWR – max	1.25:1 10 MHz to 18 GHz 1.35:1 18 GHz to 26.5GHz
Measurement Speed : -50 to -35 dBm	8 measurements per sec.
-35 to -20 dBm	33 measurements per sec.
-20 to +20 dBm	50 measurements per sec.
Max input power (damage level)	200mW CW (+23dBm)
Maximum DC voltage	+/- 10 Volts
Connector type	K type* (m)
Connectivity	USB 2.0 (cable length up to 5m)
USB power supply current	Approx. 50mA
Sensor Cable Length (std)	193cm
Dimensions (max)	34H x 43W x 137L (mm)
Weight	83 grams

Specifications include expanded uncertainty of measurement stated as the standard uncertainty of measurement multiplied by the coverage factor k=2 which corresponds to a coverage probability of approximately 95% for a normal distribution.

\*K Connector is a registered trademark of the Anritsu Company.

Specifications subject to change – contact Satori Technology Limited for latest information.