

Spectrum Compact 0.3-3 GHz

JOSSAP33 datasheet



测量功能

- 通道功率 (测量指定带宽内的总功率)
- 相邻信道功率
- 信号带宽
- 中心频率
- 干扰检测
- 遮罩模式

参数设置

- 频率: 中心/起始/终止
- 跟踪模式: 正常, 最大保持, 累积, 平均值, 最小/最大保持
- 跨度: 最大跨度, 最小跨度, 自由选择的跨度

保存

- 特定格式
- 保存实际数据
- 连续扫描记录
- Recort-time plot display (pseudo-spectrogram)

扫描功能

- 扫描: 持续的, 手动触发

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跟踪功能

- 跟踪操作: 正常, 最大保持, 累积, 平均值, 最小/最大保持

遮罩功能

- Marker: Peak search, set marker to center

设置

- LNA ON/OFF
- RBW, VBW

频率 <ul style="list-style-type: none">频率范围 300 – 3000 MHz频率分辨率 10 kHz基准频率 Aging ± 1.0 ppm/1 year Accuracy: ± 2.5 ppm (25°C $\pm 25^\circ$C) + aging频率跨度 0.5 MHz to full
带宽 (性能扫描模式) <ul style="list-style-type: none">RBW 10 kHz; 30 kHz; 100 kHz; 300 kHzVBW 1 kHz; 3 kHz; 10 kHz; 30 kHz;
幅度范围 <ul style="list-style-type: none">测量范围 DANL to +20 dBm 幅度精度 (单个正弦波输入, 执行扫描模式) 20° C to 30° C Typical: ± 1 dB
VSWR 300 – 3000 MHz < 1.5
输入衰减器 30 dB with 5 dB step
SSB Phase Noise 单边带相位噪声 20°C to 30°C, Fc = 1 GHz Carrier offset 100 kHz offset <-90 dBc/Hz
最大输入电平 DC voltage 0 V CW RF power Attenuation = 30 dB ; + 20 dBm (100 mW), LNA = OFF Max. Damage level + 27 dBm
Displayed Average Noise Level (DANL) Attenuation = 0 dB, RBW = VBW = 10 kHz, AVG detector, trace average 16, 20°C to 30°C, input impedance = 50 Ω LNA ON 300 MHz to 3 GHz -128 dBm typ LNA OFF 300 MHz to 3 GHz -108 dBm typ
Level Display Trace detectors AVG; MAX; MIN

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Trace functions	Clear write, max hold, average, cumulative, min/max hold	
Frequency response	300 – 3000 MHz; amplitude accuracy ± 1 dBm	
LNA	Gain 300 – 3000 MHz +20 dB	
RF Input Connector	Impedance Connector	50 Ω (nom.) SMA F
Sweep	Sweep time @ RBW=300kHz, MIN SPAN=30MHz	MIN SPAN < 500 ms
Display	Type Resolution Size Active area	TFT LCD resistive touchscreen 480 x 272 4.3 inch (Diagonal) 95 x 53.8 mm
Mass memory	8 GB	
Input voltage	5V DC 3A	
Interface	USB Type-C	
Battery life	up to 4h	
Operating temperature	-15°C to +55°C / 5°F to 131°F	
Dimensions	135 x 83 x 34 mm / 5.31 x 3.27 x 1.34 inch	
Weight	0.57 kg / 20.11 oz	

For more detailed information about SAF products visit www.saftehnika.com or contact your SAF representative info@saftehnika.com. Product features may vary between different models and configurations. They are subject to change without prior notice.

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