

S3631 Series Vector Network Analyzer



Saluki S3631 Series vector network analyzer is an economic series VNA products. S3631 covers a frequency range from 300kHz - 8GHz and provides good noise level, dynamic range specifications. S3631 is positioned as an economic VNA solution for manufacturing and R&D of RF components and circuits.

Key Features

- Frequency Range: 300kHz - 1.3GHz/3GHz/8GHz
- Dynamic Range: >125 dB (IFBW=10 Hz), 130 dB typical
- Low Noise Level: <-120 dB (IFBW=10 Hz)
- Low Trace Noise: 1 mdB rms (IFBW=3 kHz)
- High Measurement Speed: 100 μ s/point (IFBW=30 kHz)
- High Effective Directivity: >45 dB
- Remote Control: LAN/GPIB/USB
- Low Power Consumption: 60W

Typical Applications

- S Parameter Test of RF components

	S3631A	S3631B	S3631C	S3631D
Frequency range	300kHz - 1.3GHz	300 kHz - 1.5 GHz	300 kHz - 3.0 GHz	300kHz - 8GHz
Dynamic range (IF bandwidth 10 Hz)	125dB, 130dB(typ.)			
Effective directivity	45 dB	45 dB	45 dB	45 dB
Effective source match	40 dB	40 dB	40 dB	40 dB
Effective load match	-	45 dB	45 dB	45 dB
Power range	-55 dBm to +3 dBm	-55dBm to +10dBm	-55dBm to +10dBm	-60dBm to +10dBm (300 kHz to 6.0 GHz) -60dBm to +5dBm (6.0 GHz to 8.0 GHz)
Harmonics distortion	-	<-30dBc	<-30dBc	<-25dBc
Non harmonics distortion	-	<-30dBc	<-30dBc	<-30dBc
Damage level	+ 26dBm	+ 26dBm	+ 26dBm	+ 26dBm
Damage DC voltage	+ 35V	+ 35V	+ 35V	+ 35V
DANL (IFBW=10 Hz)	- 120dBm	- 120dBm	- 120dBm	- 120dBm
Magnitude Trace noise (IFBW 3 kHz)	1mdB rms	1mdB rms	1mdB rms	1mdB rms
Sweep Point	2 - 1601	2 - 10001	2 - 10001	2 - 10001
Measurement time per point	150ms	125ms	125ms	100ms
Measured parameters	S11, S21	S11, S12, S21 & S22	S11, S12, S21 & S22	S11, S12, S21 & S22
General				
Display	10.4 inch TFT color LCD, touch screen			
Interfaces	VGA, GPIB(option), USB, LAN			
Power supply	220 \pm 22 V (AC), 50 Hz Battery 11000mAh, 12V, DC-AC adapter			
Dimensions (W x H x D)	440 x 231 x 360			
Weight	10kg	12.5 kg	12.5 kg	12.5 kg