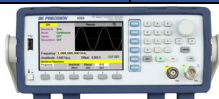


RF Signal / Waveform Generators

4088 Series

BK PRECISION

Comparison Guide

Company	B&K Precision		Keysight	
Model	BK4088	BK4089	AP5001A-502	AP5001A-504
				
List Price	4.550€	6.900€	6.410€	8.124€
Type	RF Signal + AWG/Function generator		RF Signal generator	
RF Characteristics				
Frequency Range	50 MHz to 1.5 GHz	50 MHz to 3 GHz	9 kHz to 2 GHz	9 kHz to 4 GHz
Frequency Accuracy	± 3 ppm, 0 to 40 °C		± 40 ppb, 23 ± 3 °C	
Non-harmonics (Spurious)	< -60 dBc at 0 dBm		-65 dBc typical (1 MHz to 5.8 GHz) -70 dBc typical (≤ 1 MHz)	
Phase Noise	< - 117 dBc/Hz (1 GHz carrier @ 10 kHz offset)		-124 dBc/Hz max (500 MHz to 1 GHz @ 20 kHz)	
Amplitude Range	-110 dBm to +13 dBm (min output < 2 GHz)		-30 dBm to +17 dBm (max output 50 MHz to 2.5 GHz) Amplitude range min to -120 dBm (optional)	
Amplitude Level Accuracy	< ±1 dB output levels (≥ -90 dBm)		± 0.3 dB typical (> -20 dBm to +10 dBm) ± 0.5 dB typical (> -80 dBm to - 20 dBm)	
Modulation Functions	Anolog: AM / FM / PM / Pulse		Analog: AM / FM / PM / Pulse	
Abritrary Wavefrom				
Sample Rate	250 MSa/s			
Vertical Resolution	16-bit			
Maximum Waveform Length	4 Mpts			
Function Generator				
Waveforms	Sine, Square, Triangle/Ramp, Pulse		Sine, Triangle, Square	
Sine Frequency Range	1 μHz to 50 MHz	1 μHz to 80 MHz	10 Hz to 3 MHz	
Amplitude Range	3 mVpp to 10 Vpp into 50 Ω		10 mVpp to 2 Vpp	
Modulation Functions	AM / FM / PM / PWM / BPSK / FSK		-	
General				
Remote Interfaces	USB (USBTMC-compliant), LAN, GPIB model option (+\$230)		USB (USBTMC-compliant), LAN, GPIB option (+\$959)	
Warranty	3 years		3 years	

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