SPECIFICATIONS

	SG1642A	SG1642B	SG1642C
Main output			
Output frequency	0.2Hz ~ 3MHz	0.2Hz ~ 10MHz	0.2Hz ~ 20MHz
Output waveforms	Sine wave, Square wave, Triangle wave, Ramp wave and etc.		
Output impedance	50Ω ±10%		
Output amplitude	10Vp-p±10% (50Ω) 20Vp - p±10% (1MΩ)		
Output attenuation	0dB / 20dB / 40dB/60dB		
DC offset	-5V ~ +5V±10% (50Ω) -10V ~ +10V±10% (1MΩ)		
Symmetry	20% ~ 80% or 50%		
Sine wave			
Distortion factor	10Hz ~ 100kHz ≤ 0.8%		
Triangle wave			
Linear	90%		
Square wave			
Rise or fall time	20ns		
TTL output			
Level	Low≤0.8V High≥1.8V		
CMOS output			
Level	3Vp-p ~ 15p-p adjustable		
VCF			
Input voltage	0V ~ 2V		
Input impedance	100KΩ ±10%		
Sweep			
Sweep mode	Lin./Log.		
Sweep rate	100:1 ratio max. and adjustable		
Sweep time	10ms ~ 5s±10%		
Amplitude modulation			
Depth	0 ~ 100%		
MOD. frequency	1kHz		
EXT. impedance	100KΩ ±10%		
EXT. sensitivity	0V ~ 2V		
Freuqency modulation			
Deviation	0 ~ 5%		
MOD. frequency	1kHz		
EXT. impedance	100KΩ ±10%		
EXT. sensitivity	0V ~ 2V		
Counter			
Display	5 digits (INT.) 8 digits (EXT.)		
Frequency range	0.2Hz ~ 3MHz	0.2Hz ~ 10MHz	0.2Hz ~ 20MHz
	0.2Hz ~ 100MHz (EXT.)	0.2Hz ~ 100MHz (EXT.)	0.2Hz ~ 100MHz (EXT.)
Input impedance	500kΩ/30pF		
Time base	10MHz		
Accuracy	Time base accuracy ± count		
Attenuator	-20dB		
Stability	5 x 10-5/d		
Single (option)			
Output waveform	Sine		
Output frequency	50Hz		
Power (option)			
Output power	10W (4Ω load)		
Output waveform	Sine		
Output frequency	20Hz ~ 40kHz		
Power source	110 ~ 127VAC±10%/220 ~ 240VAC±10%, 50Hz±2Hz/60Hz±2Hz		
DIMENSIONS & WEIGHT	240 x 80 x 220mm (WxHxD) Approx 1.75kg		