



1-800-972-2225 | www.elexp.com | electron@elexp.com

Function Arbitrary Generator Counter / 25MHz

PART NUMBER – 01FAGC1

Features :-

- Cost effective, PC USB Function/Arbitrary Waveform Generator.
- It can be used to disengage computer. Simulation of sensors and real word signals.
- It can be used as the other products signal generator module, no need computer. It will produce the needed arbitrary waveform signal when power on.
- 200 MSa/s of sample rate, 12 bits of vertical resolution.
- 25Mz Arbitrary waveform output (sine wave up to 75 Mz).
- One computer can be linked with several DDS-3X25 to expand multi-channels.
- 50 MHz frequency counter.
- 12bits pattern generator.
- USB interface, plug and play, no need external power supply, compact and portable.
- Operating system: Windows NT, Windows 2000, Windows XP, Windows Vista, Windows 7.
- Second Design support: Labview\VB\VC\Delphi\C++Build. Provide second design examples.

SPECIFICATIONS:-

| Arbitrary waveform output | |
|----------------------------------|----------------------|
| Wave frequency | DC~25MHz |
| DAC clock | 2K~200MHz adjustable |
| Channels | 1CH waveform output |
| Waveform Length | 4KSa |
| Vertical Resolution | 12 bit |

| | |
|----------------------------|---|
| Frequency stabilization | <30ppm |
| Amplitude | ±3.5V Max. |
| Output impedance | 50 Ω |
| Output current | 50mA I _{peak} =50mA |
| System Bandwidth | 25M |
| Wave distortion | -50dBc(1KHz), -40dBc(10KHz) |
| Frequency Counter | |
| Frequency area | DC~50MHz |
| Input Amplitude | 400mV _{pp} ~18V _{pp} |
| Coupling | DC |
| frequency precision | ±time base error ±1 count |
| input impedance | > 100KΩ |
| Pattern Generator | |
| Digit | 12 bits pattern generator and 6bit digital in |
| Type | LVC MOS |
| Working Environment | |
| temperature | 0~70 centigrade |
| humidity | 0~95% |
| Weight | 0.3Kg |



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