APG7502C USB-counter

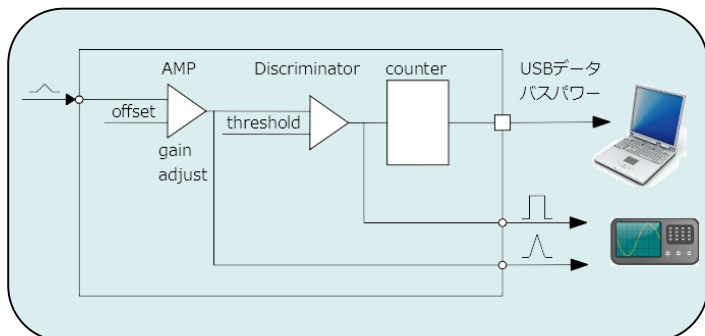## High speed counting counter for USB bus power operation

- **Repetition frequency: 100 MHz**
- **Polarity: Bipolarity correspondence**
- **Risetime: 1.5 ns**
- **Threshold: ± 1 V**

APG7502C USB-counter
(Upper picture: front, bottom picture: back)

Overview

The APG7502C is a palm-sized USB connection counter with 2 channels of high speed amplifier and high speed discriminator.

The repetition frequency is 100 MHz and can be counted very fast. It is possible to adjust the gain and offset on the application software, and can input and count a variety of signals. Also, you can check the TTL output, which is a guideline when a waveform-shaped signal or discriminator is applied, connected to the oscilloscope from the monitor output terminal. You can easily make appropriate settings.

It is only USB bus power operation, AC adapter is unnecessary. It is convenient to carry.
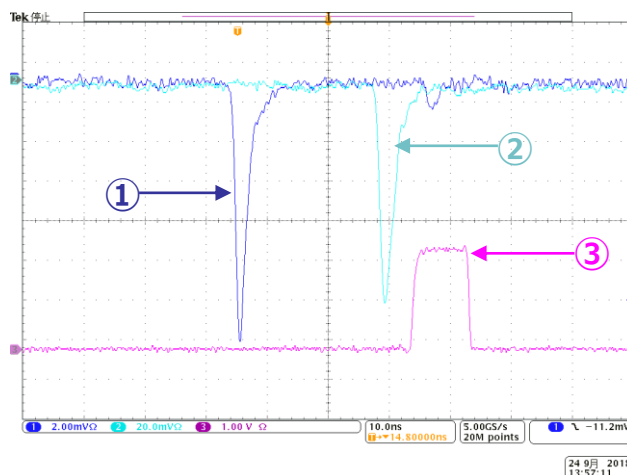
Specification of analog

No. of Channel	2 channels, LEMO connector
Gain	x 0.5 to x 10 (32 steps)
Offset adjustment	±1 V
Risetime	1.5 ns
Noise	1.5 mV RMS) or less
Monitor output	1 channel (analog output)

Specification of discriminator

No. of Channel	2 channels
Offset adjustment	±1 V
Repetition Frequency	100 MHz
Monitor output	1 channel (TTL output)

Equipment specification

Function 1	Rate meter
Function 2	Timer Counter
Function 3	MCS (Multi Channel Scaler)
Dwell time	20 ns – 42.9 s
Memory	16384 points
Communication I/F	USB 2.0, USB mini B selectable
Power supply	USB bus power, non AC adapter
OS	Windows 7, Vista, XP (32, 64-bit) or more
Accessories	CD-ROM (driver, software USB cable
Dimensions (mm)	70 (W) x 160 (D) x 20 (H)
Weight	About 250 g
Environment	Operating temperature 0 to 40 degree, non condensing

Image of oscilloscope when BaF^2 signal is input
① Input signal BaF^2 (rise < 2 ns, fall < 3 ns)
② Analog output (Monitor after gain / offset adjustment)
③ Digital output (TTL output monitor at discrimination

*Images is for illustration purpose.
*Please note that contents may change without prior notice.

Website

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