



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Data Sheet

Frequency Counters Models 1823A, 1856D



Model 1823A



Model 1856D

The 1823A and 1856D are reciprocal 2.4 GHz and 3.5 GHz frequency counters that are microprocessor controlled. Their LED displays can provide up to nine digits of resolution using an external time base with a 10 s gate time. The high accuracy, sensitivity, and versatility of these counters make them an extremely valuable instrument to scientists, engineers, and communications technicians for a broad spectrum of laboratory and service applications.

Features and Benefits

- ± 1 PPM Time base stability
- Trigger level function (1823A only)
- Frequency ratio measurement function (1823A only)
- Time interval measurement function (1823A only)
- RPM measurement function (1856D only)
- External frequency standard input
- Bright LED display
- Attenuator
- Period
- Total
- Low pass filter
- Line filter
- RS232C Interface

Specifications	1823A	1856D
Range	0.1 Hz - 2.4 GHz	0.1 Hz - 3.5 GHz
Frequency		✓
Totalize		✓
Period		✓
Time Base Stability		± 1 ppm
Best Resolution		1 nHz
No. of Digits		9
Display Hold		✓
Low Pass Filter		✓
Sensitivity	250 mV (0.1 Hz - 1 Hz), 30 mV (1 Hz - 100 MHz), 50 mV (80 MHz - 150 MHz), 50 mV (150 MHz - 2.0 GHz), 60 mV (2.0 GHz - 2.4 GHz)	30 mV (0.1 Hz - 100 MHz), 15 mV (80 MHz - 2 GHz), 20 mV (2 GHz - 3.0 GHz), 30 mV (3.0 GHz - 3.2 GHz), 50 mV (3.2 GHz - 3.5 GHz),
Remote Interface	RS232	
Self-Test	✓	
Time Interval Measurement	✓	-
Frequency Ratio Measurement	✓	-
AC Input	115/230 V (50/60 Hz)	
Weight	5.5 lbs (2.5 kg)	
Dimensions (W x H x D)	9.4" x 3.5" x 10.6" (239 x 89 x 269 mm)	

One-Year Warranty