

MP1775A

Pulse Pattern Generator

100MHz - 12.5GHz (4 channels)



- *Error Measurement of OC-768c/STM-256c SDH/SONET frame using 8Mbits/channel PRGM pattern and Application Software.(MX177601A)*
- *Parallel output of 12.5Gbit/s x 4-channels.*
- *Independent level adjustment for each of the 4-channels*
- *Reduce waveform distortion using back-termination.*
- *Cross-Point adjustment capability on the front panel.*

Specifications

Operation Frequency	From 0.1 to 12.5GHz (Internal / External selectable)
External Clock	Input level from : 0.8 to 2.0 Vp-p Input waveform : sign wave(over 500MHz) or Pulse connector : APC-3.5
Internal clock (option 03)	Resolution : 1kHz, 1MHz Reference signal of PLL : 10MHz(internal/external selectable)
Pattern	Pseudo random pattern : 2^n-1 (n=7,9,11,15,20,23,31), PRGM pattern : 8Mbits/channel total 32Mbits Logic : POS/NEG , Error insertion 10^{-n} (n=4,5,6,7,8,9 and single) insertion root selectable from 32 channels by switch on front panel
Data output	Waveform : NRZ, Number of output : 4(CH1,CH2,CH3,CH4), Amplitude : from 0.5 to 2.0 Vp- p/10mV step ^{*1} Offset : from -2.0 to 2.0 V _{OH} /5mV step ^{*1} , termination : GND/-2V(ECL) selectable Load impedance : 50ohm , connector : APC-3.5
Clock output	Number of output : 2(CLOCK1,CLOCK2), Amplitude : from 0.5 to 2.0 Vp-p/10mV step ^{*1} Offset : from -2.0 to 2.0 V _{OH} /5mV step ^{*1} , termination : GND/-2V(ECL) selectable Variable delay : from -500 to 500 ps/1ps step, Load impedance : 50ohm, connector : APC-3.5
Sync. output	Number of output : 1(1/32clock or pattern sync.) Amplitude : 1Vp-p fixed , termination : to GND with 50ohm , connector : SMA
Control Interface	GPIB/Parallel port, Parameter memory: 3.5inch FDD (MS-DOS compatible) ^{*2}
Dimensions	221H x 426W x 450Dmm (8.7H x 16.8W x 17.7D inches), less than 35kg (77.2 pounds), from 85 to 132Vac or from 170 to 250Vac, power : less than 1000 Watts
Operation temperature	From 15 to 35 °C (59 to 95 °F)

*1: Independently settable in each channel

*2: MS-DOS is registered trademark of Microsoft Corporation in the United States and other countries.

Ordering Information

Model/Order Number	Name	Notes
	-Main Frame-	
MP1775A	Pulse Pattern Generator	
	-Standard Accessories-	
J0491	Shield Power Cord (13A)	1
J0008	GPIB Cable,2m	1
J0496	APC3.5J-J Connector	7
J0696A	SMA Cable, 0.5m	6
J0696B	SMA Cable, 0.8m	1
J0693A	SMA Cable, 1m	1
J1141	50 ohm terminator	7
F0091	Fuse,6.3A	2
W1937AE	MP1775A Panel Operation Manual	1
W1938AE	MP1775A GPIB Operation Manual	1
Z0168	3.5inch Mini Floppy Disk (2HD)	2
B021	Front cover	1
Z0306A	Wrist strap	1
	-Option-	
MP1775A-03	Internal synthesizer	442-1
	-Optional Accessories-	
J0500A	Semi-Rigid Cable,0.5m	1
J0696E	SMA Cable, 1.5m	1
MB24B	Portable Test Rack	1
J0007	GPIB Cable,1m	1



Specifications are subject to change without notice.

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