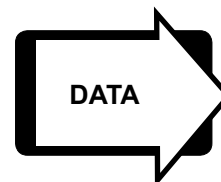


Programmable Delay Line**FEATURES:**

- 1024 Step Delay Line
- RS-232, RS-422, TTL Input / Output
- Programmable Delay Range 0.004ms - 131ms
- 256-Bit Shift Register
- All Silicon, Low Power CMOS Technology
- Low Ground Bounce Noise
- High Leading and Trailing Edge Accuracy
- Surface Mount Technology (SMT) for High Reliability and Repeatability
- *SpectraSmart™* Network Management Compatible
- Local LED Status Indicators to Monitor Critical System Diagnostics for Performance Parameters
- Hot Swappable Cards
- DB-9 Connector for Data (standard)
BNC, Screw Terminals, RJ-45,
DB-25, DB-15HD Connector (optional)

DESCRIPTION:

The SX-1DX module is a Programmable Delay Line and part of DigiSlim™ product family, which incorporates an all-digital encoding technology.

This system have following features:

- Single Delay Line with User Selectable 1024 steps
- Maximum delay can be selected by DIP Switch in the range 0.008ms - 8.2ms.

The SX-1DX is also compatible with Meridian's *SpectraSmart* Network management and diagnostic PC based system. See the *SpectraSmart* brochure for additional details.

CONFIGURATIONS:

The SX-1DX product is available as rack mount cards that can be installed in either Meridian's desk chassis or in 19" racking frames. Shelf/surface mount modules are also available. This system can be configured in either star (module to rack) or trunking (rack to rack) configurations. These systems can be made a standalone system by using the SR-500/S, SR-1000/s, 1 or 2 slot desk / wall mount chassis (87 VAC- 264VAC)

MARKETS:

- ✓ Military Applications
- ✓ Security and Surveillance
- ✓ Intelligent Transportation System (ITS)
- ✓ Access Control Systems

SPECIFICATIONS:

Delay Specifications

Total Delay*	8.2 ms
Taps	1024
Tap-Tap Delay	0.008 ms
Delay Adjustment Range	0.008 - 8.2 ms
Max Input Frequency	3.1 KHz
Min Input Pulse Width	0.16 ms
Pulse Width Distortions	10% max
Delay Tolerance	1% max

Interface

Electrical Input / Output	RS-422
	RS-232
	TTL

Connectors

Data	DB-9 (default) Optional: BNC, Screw Terminals, RJ-45, DB-25, DB-15HD
Power (module)	See SR-500 Brochure for details

Indicators (LEDs)

1 - Green	Power On
1 - Green	Data Input
1 - Green	Data Output

Power

Card	1 W
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Physical

Dimensions (Card)	160 mm (6.3") L, 127 mm (5") W 20mm (0.80") W
Weight (Card)	450 gms (16 Oz)
No. of Slots	1
Module	See SR-500 Brochure

Enviromental

Operating Temperature	-34°C to +74°C
Storage Temperature	-55°C to +85°C
Relative Humidity	0 to 95% Non-condensing

Quality

MTBF	>170,000 hours @ Ground Fix 35°C per MIL217F
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Part Numbers:

SX	1D	X	
	RS-232 - D		Leave Blank for default (DB-9 Connector)
	RS-422 - F		B - BNC Connector
	TTL - L		J - RJ-45 Connector
			L - DB-15 HD Connector
			M - DB-25 Connector
			S - Screw Terminals Connector
			C - Conformal Coating
			D - SpectraSmart™ DIAGNOSTIC

