

MxN Programmable Matrix Switch System

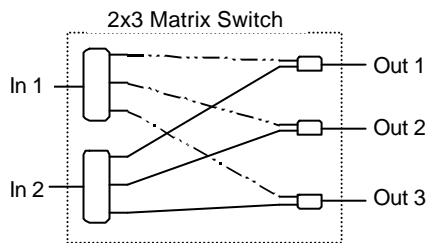
The LT2000 Series of MxN programmable matrix switches offers the standard symmetrical (3x3 through 32x32) and asymmetrical (4x6, 3x12, 2x26, etc.) configurations in a 19" rack mount chassis. The LT2000 delivers excellent stability and field proven reliability. The LT2000 series can be combined with other switches and fiber taps to offer a flexible architecture for custom applications. These systems are available with a front panel keypad and a RS-232 or GPIB control interface. LabVIEW drivers are provided.



Features

- Insertion loss of 1.7 dB, typical
- Repeatability of: $\pm 0.01\text{ dB}$ (LT2100)
$\pm 0.03\text{ dB}$ (LT2200)
- Crosstalk of <math>< -60\text{ dB}</math>
- Local keypad and GPIB or RS-232 remote control
- Bench top or rack mounting

Configurations:



Applications

- Manufacturing test systems
- R&D laboratories
- Reconfiguration and restoration of broadband Fiber network
- Data communication and multimedia networks

Specifications

Item	Unit	Specifications	
		LT2100	LT2200
Maximum channels	--	32 x 32	8 x 8
Insertion Loss ^{1,2}	dB	1.7 typ. ~ 2.5 max	1.7 typ. ~ 2.5 max
Repeatability	dB	± 0.01	± 0.03
Switching Time	ms	80 + 25/channel	20 typ. ~ 30 max
Operating Temperature	°C	0 to 50	
Back Reflection	dB	<math>< -55</math>	
Crosstalk	dB	<math>< -60</math>	
PDL	dB	<math>< 0.2</math>	
Control	--	Local Keypad/ GPIB / RS-232 interface	
Chassis (19" rack mount)	--	4U, 8U, up to 14U	
Wavelength Window ³	nm	1280~1340, 1520~1580	

All specifications referenced with SC/APC or FC/APC connectors.
All specifications referenced with single-mode fiber.

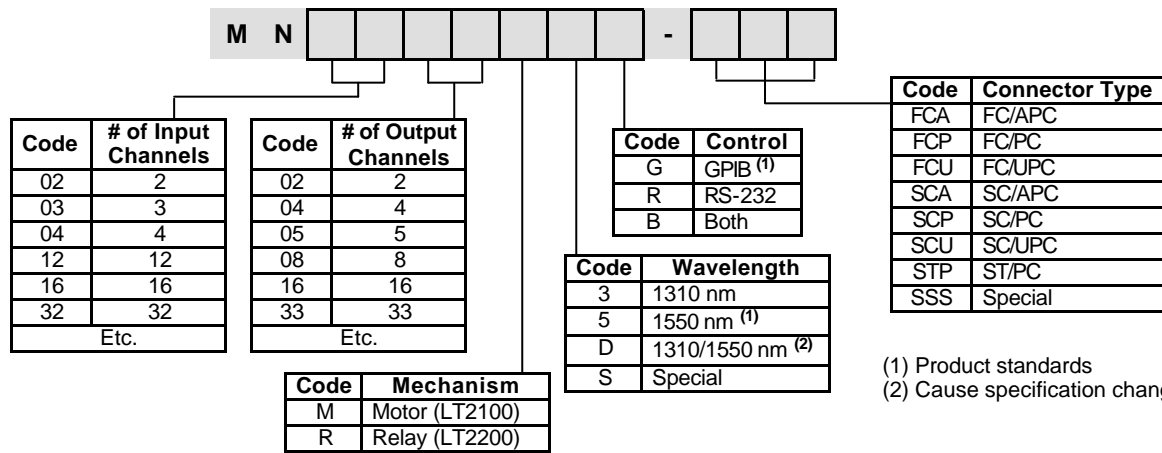
Multimode and asymmetrical matrix available upon request.

1. Insertion loss based on 1550 nm single wavelength.
2. Add 0.4 dB for 1310/1550 nm dual wavelength.
3. Optimized at 1310 or 1550 nm (other wavelengths available upon request).

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Ordering Information:

Example: MN1616M5G-FCA



(1) Product standards
(2) Cause specification change

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