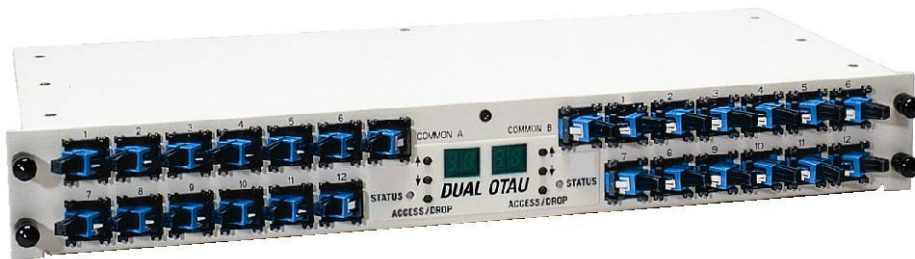


OTAU7 1xN Optical Switch

Optical Test Access Unit (OTAU)



Features

- 1 x N latching optical switch (N = 4 up to 130)
- Singlemode: 1310/1550/1625 nm or Multimode: 850/1310 nm
- 1RU-3RU Rack Mount (19" or 23")
- Remote or local (front panel) operation
- 10BaseT, USB, and RS232 control interfaces
- GUI and TL1 interface protocol
- -48 VDC operation (100-250 VAC option available)
- 19" or 23" rack mounting options
- Removable adapters for easy cleaning
- Connectors exit at an angle to prevent fiber bends

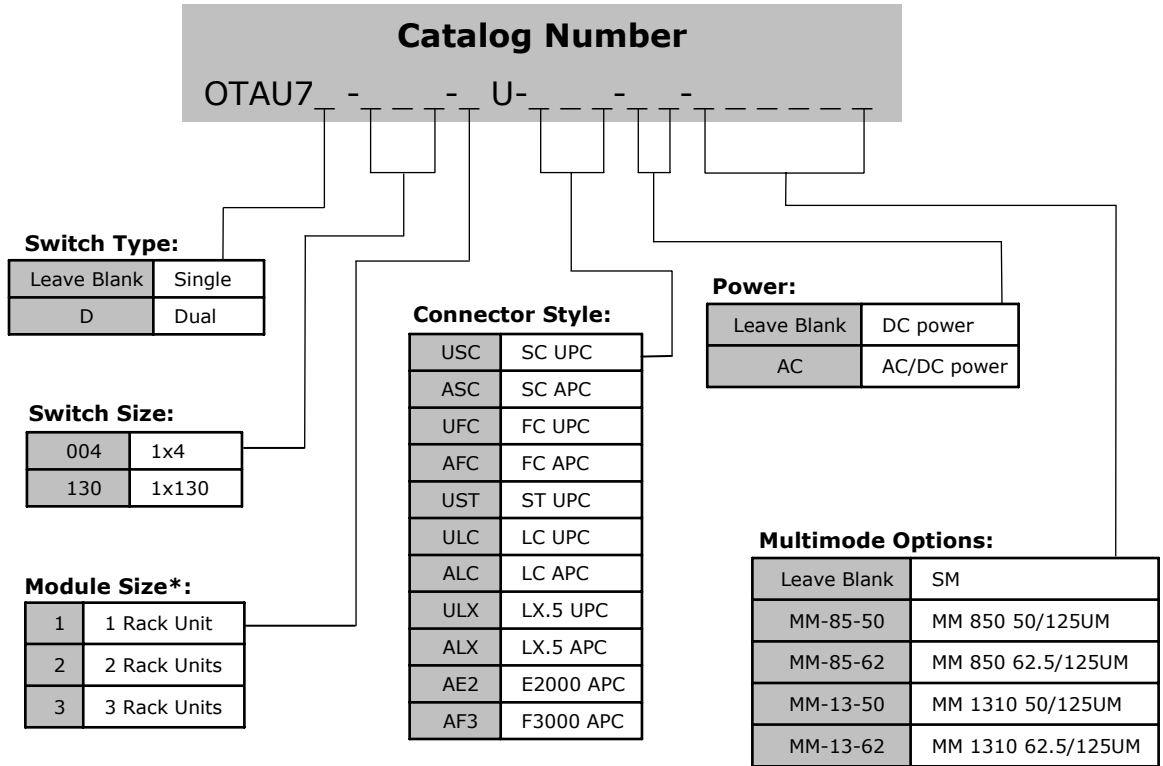


OTAU7 1 x N Optical Switch

Ordering Information

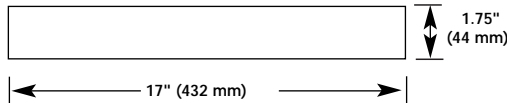
1xN Optical Switch

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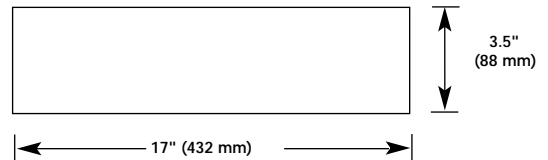
*** Module Sizes:**

1.75 in. (1U)



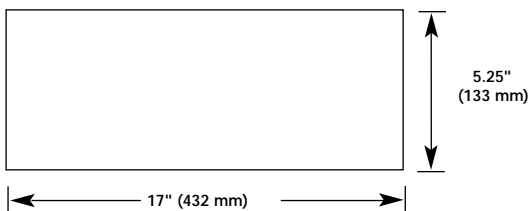
- Up to 1x12 switch (standard connectors)
- Up to 1x24 switch (small-form-factor – LX.5[®])

3.5 in. (2U)



- Up to 1x42 switch (standard connectors)
- Up to 1x84 switch (small-form-factor - LX.5[®])

5.25 in. (3U)



- Up to 1x75 switch (standard connectors)
- Up to 1x130 switch (small-form-factor - LX.5[®])



OTAU7 1 x N Optical Switch

Specifications

1xN Optical Switch

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OPTICAL

Insertion Loss 1x4-1x25*:	1.4 dB maximum; 0.8 dB typical
Insertion Loss 1x26-1x130*:	1.5 dB maximum; 0.9 dB typical
Return Loss Singlemode*:	50 dB minimum; 55 dB typical
Return Loss Multimode*:	16 dB minimum; 20 dB typical
Bandpass Singlemode:	1290 - 1330 nm and 1525 - 1610 nm
Bandpass Multimode:	830 - 870 nm and 1290 - 1330 nm
Switching Speed:	65 ms adjacent channels; 10 ms each additional ch.
Repeatability:	+/-0.02 dB max; +/-0.01 dB typical (over 100 cycles)
Polarization Dependent Loss:	0.08 dB maximum; 0.06 dB typical
Crosstalk:	-70 dB maximum
Optical Input Power:	300 mW maximum (continuous wave)

ENVIRONMENTAL

Operating Temperature:	0°C to +50°C
Storage Temperature:	-40°C to +70°C (5%-95% RH, non-condensing)

ELECTRICAL

Input Voltage:	-37 to -60 VDC
Input Current @ -37 VDC:	132 mA
Input Current @ -48 VDC:	80 mA
Input Current @ -48 VDC:	115 mA while switching
Voltage (AC):	88-264 VAC
Line Frequency (AC):	47-63 Hz
Input Current (AC):	0.7 A/115 VAC, 0.4 A/230 VAC

MECHANICAL

Rack Compatibility:	19"/23" EIA or WECCO
Control Interface Connectors:	RS232-DB9, 10BaseT-RJ45 (with controller)
Power Connector:	7-pin plug (provided with chassis)
Fiber Optic Connectors:	SC, FC, ST®, LC, ASC, AFC, LX.5®, E2000™, F3000™
Operational Life:	10 million switch cycles

AGENCY COMPLIANCE

Safety Listing:	UL1459 / CSA22.2 / EN60950 (CE)
EMC:	FCC Part 15, Subpart B, Class A, CISPR 22

* Includes 2 UPC connector losses (add 0.1 dB IL per APC connector and 0.3 dB IL per MM connector)



Web Site: www.alcon-tech.com

Customer Service: +1-952-445-4069, Fax: +1-952-445-4082

Email: support@alcon-tech.com

Alcon Technologies, Inc., 11201 Hampshire Ave. S, Minneapolis, Minnesota USA 55438

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