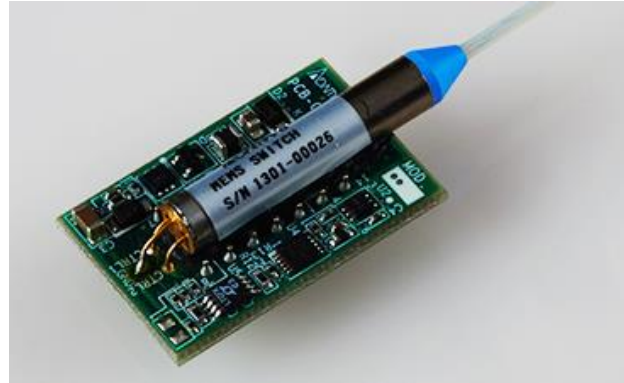


1×N Optical Switch with driver board

Features

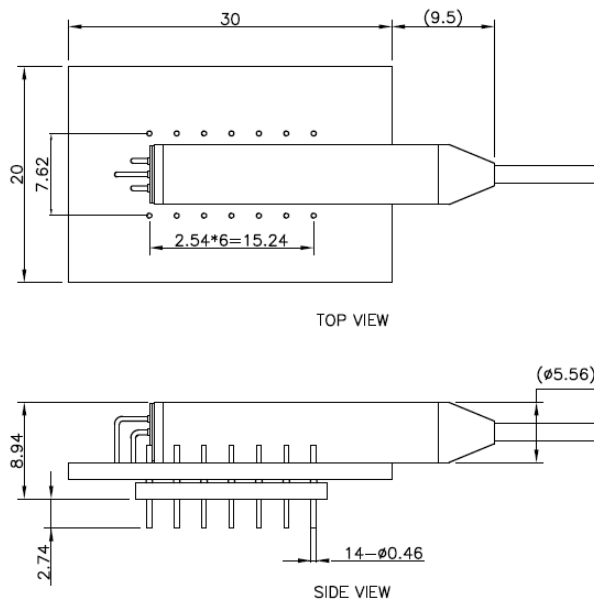
- Original patented MEMS structure (US 7535620)
- Low Insertion Loss
- Flat WDL
- Low PDL
- Low Cross Talk
- Excellent operating vibration and shock performance
- Compact package
- High speed Switching Times (Typ. 0.7 ms)
- Qualified to Telcordia GR-1073 & 1221
- RoHS Compliant
- Customized flexibility (Multimode, Channel, Wavelength)



Applications

- Switching
- Blocking
- Network Monitoring

Package Dimensions



1×N Optical Switch with driver board

Specifications

Parameter	Value	Notes
Switching Channel	1xN	Up to 1x16
Operating Voltage (Supply)	4.5 to 5.5 V	
Wavelength	1530 to 1570 nm 1570 to 1610 nm 1530 to 1610 nm	C-Band L-Band C/L-Band
Insertion Loss	0.8 dB	Typ. 0.6 dB
Repeatability	0.005 dB	Typ. 0.001 dB
Return Loss	50 dB	
Cross Talk	50 dB	
Wavelength Dependent Loss	0.3 dB	Typ. 0.2 dB
Polarization Dependent Loss	0.2 dB	Typ. 0.1 dB
Temperature Dependent Loss	-	Typ. 0.2 dB
Switching Time	1 ms	Typ. 0.7 ms
Optical Power Handling	500 mW	
Power Consumption	200 mW	
Durability	5 Billion	
Operating Temperature	-5 °C to +70 °C	
Storage Temperature	-40 °C to +85 °C	
Fiber type	SMF-28 or Equivalent	
Control Interface	TTL / I ² C	

Ordering Codes

AMS	—	□	—	□	—	□	—	□	—	□	—	□	Fiber Length	10 : 1.0 m 15 : 1.5 m XX : X.X m
Control Interface		Switching Channels				Operating Wavelength Range				Connector Type				
1 : TTL 2 : I2C	4: 1x4 8: 1x8 12: 1x12 16: 1x16				C : C-Band L : L-Band CL : CL-Band WL : Custom Wavelength				NC: No Connector FC : FC-UPC SC : SC-UPC LC : LC-UPC FA : FC-APC SA : SC-APC LA : LC-APC					

1x2 Optical Switch

Features

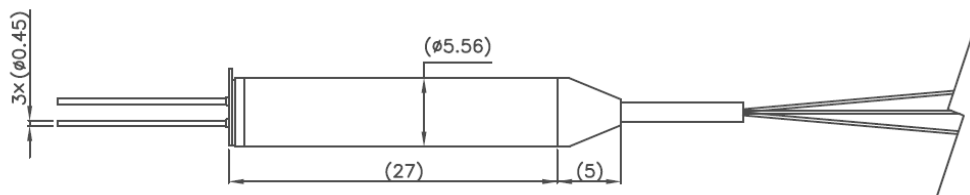
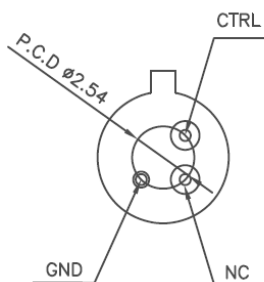
- Original patented MEMS structure (US 7535620)
- Low Operating Voltage (8 V)
- Low Insertion Loss
- Flat WDL
- Low PDL
- Low Cross Talk
- Excellent operating vibration and shock performance
- Compact package
- High speed Switching Times (Typ. 0.8 ms)
- Qualified to Telcordia GR-1073 & 1221
- RoHS Compliant
- Customized flexibility (Multimode, Wavelength)



Applications

- Switching
- Blocking
- Network Monitoring

Package Dimensions



1x2 Optical Switch

Specifications

Parameter	Value	Notes
Switching Channel	1x2	
Operating Voltage	8 V	
Wavelength	1530 to 1570 nm 1570 to 1610 nm 1530 to 1610 nm	C-Band L-Band C/L-Band
Insertion Loss	1.0 dB	Typ. 0.7 dB
Repeatability	0.005 dB	Typ. 0.001 dB
Return Loss	50 dB	
Cross Talk	50 dB	
Wavelength Dependent Loss	0.3 dB	Typ. 0.2 dB
Polarization Dependent Loss	0.2 dB	Typ. 0.1 dB
Temperature Dependent Loss	-	Typ. 0.2 dB
Switching Time	1 ms	Typ. 0.8 ms
Optical Power Handling	500 mW	
Power Consumption	100 nW	
Durability	3 Billion	
Operating Temperature	-5 °C to +70 °C	
Storage Temperature	-40 °C to +85 °C	
Fiber type	SMF-28 or Equivalent	

Ordering Codes

AMS — 3 — 2 — □ — □ — □

Operating Wavelength Range

- C : C-Band
- L : L-Band
- CL : CL-Band
- WL : Custom Wavelength

Connector Type

- NC: No Connector
- FC : FC-UPC
- SC : SC-UPC
- LC : LC-UPC
- FA : FC-APC
- SA : SC-APC
- LA : LC-APC

Fiber Length

- 10 : 1.0 m
- 15 : 1.5 m
- XX : X.X m

Features

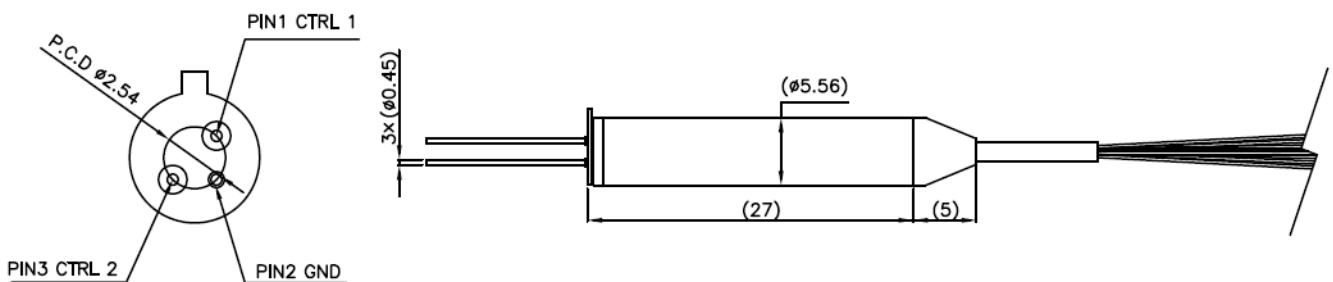
- Original patented MEMS structure (US 7535620)
- Low Insertion Loss
- Flat WDL
- Low PDL
- Low Cross Talk
- Excellent operating vibration and shock performance
- Compact package
- High speed Switching Times (Typ. 5 ms)
- Qualified to Telcordia GR-1073 & 1221
- RoHS Compliant
- Customized flexibility (Multimode, Channel, Wavelength)



Applications

- Switching
- Blocking
- Network Monitoring

Package Dimensions



Specifications

Parameter	Value	Notes
Switching Channel	1xN	Up to 1x16
Operating Voltage	50 V max	
Wavelength	1530 to 1570 nm 1570 to 1610 nm 1530 to 1610 nm	C-Band L-Band C/L-Band
Insertion Loss	0.8 dB	Typ. 0.6 dB
Repeatability	0.005 dB	Typ. 0.001 dB
Return Loss	50 dB	
Cross Talk	50 dB	
Wavelength Dependent Loss	0.3 dB	Typ. 0.2 dB
Polarization Dependent Loss	0.2 dB	Typ. 0.1 dB
Temperature Dependent Loss	-	Typ. 0.2 dB
Switching Time	10 ms	Typ. 5 ms
Optical Power Handling	500 mW	
Power Consumption	100 nW	
Durability	5 Billion	
Operating Temperature	-5 °C to +70 °C	
Storage Temperature	-40 °C to +85 °C	
Fiber type	SMF-28 or Equivalent	

Ordering Codes

<p>AMS — 3 — □ — □ — □ — □ — □</p> <p style="margin-left: 100px;"> <u>Switching Channels</u> 4: 1x4 8: 1x8 12: 1x12 16: 1x16 </p>	<p style="margin-left: 100px;"> <u>Operating Wavelength Range</u> C : C-Band L : L-Band CL : CL-Band WL : Custom Wavelength </p>	<p style="margin-left: 100px;"> <u>Connector Type</u> NC: No Connector FC : FC-UPC SC : SC-UPC LC : LC-UPC FA : FC-APC SA : SC-APC LA : LC-APC </p>	<p style="margin-left: 100px;"> <u>Fiber Length</u> 10 : 1.0 m 15 : 1.5 m XX : X.X m </p>
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