Sat-Light Series

2040-CXU 17GHz 1:1 Redundancy Switch

Features & Benefits

- Locking coaxial relay switch
- Local or remote operation
- Wideband – up to 17GHz operation
- "Rapid Switching" to maximize uptime
- High isolation

Product Description

Global Foxcom's Model 2040-CXU Switch is a 1:1 redundancy switch used with Global Foxcom's Sat-Light's Interfacility Link products. The 2040-CXU Switch utilizes internal switching logic which can be configured to detect and switch on optical or RF fault conditions.
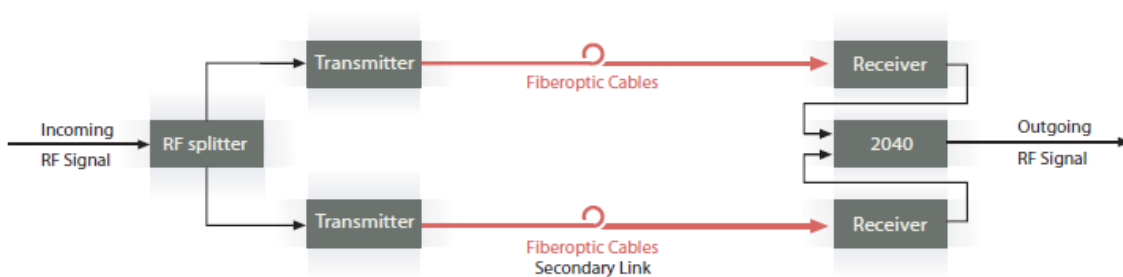
The unit consists of a coaxial relay switch and associated logic capable of operating both in automatic and manual mode. The 2040-CXU switch can be controlled locally or remotely.

Specifications

Unit Specifications			
Frequency Response	10–3000 MHz	3000–7000 MHz	7.0–17 GHz
Flatness @ Full Band (typ.)	< 0.1dB pp	< 0.2 dB pp	0.5 dB pp
Insertion Loss (typ.)	< 0.25 dB	< 0.5 dB	< 1 dB
Input Impedance	50 Ohm		
Return Loss (typ.)	> 25 dB	> 18 dB	> 13 dB
Group Delay Variation	< 30 ps pp	< 30 ps pp	< 75 ps pp
Isolation (min.)	> 85 dB	> 80 dB	> 75 dB
Intermodulation Distortion	Not measurable		
Switching Speed (max.)	< 500 ms		
DC Power 2040-CXU	+12 VDC @ <300 mA max		
DC Power 2040-CXU	+6.3VDC @ < 600 mA max		
Physical Specifications			
Operating Temperature	-10° C to +55° C		
Storage Temperature	-40° C to +85° C		
Maximum Humidity	95 %, non-condensing		
Size	4.8" X 4" X 1.3"		
Connectors			
RF In/Out	50 Ohm SMA, female		
DC Signals	9 D-Type Male		

Typical Application

Ordering Information

Model Number	Description
2040-CXU	10MHz –17GHz Redundancy Switch

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