

**TXS 070/8x1**  
**TXS007008BFC000**  
**Transmit Router (70 ± 20 MHz)**

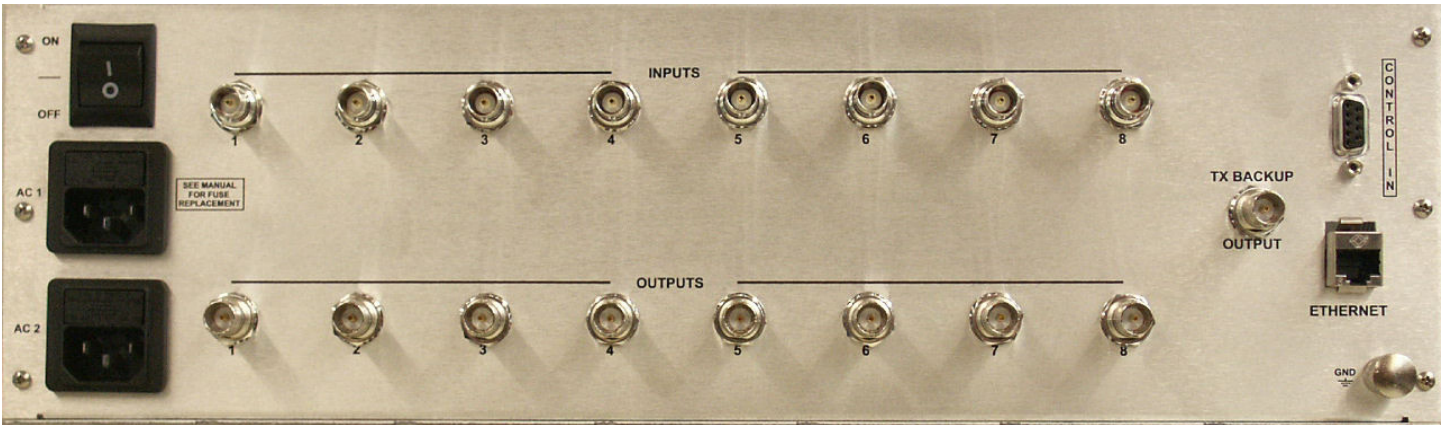
## General Description:

The **TXS007008BFC000** provides eight 2-way splitters and a single 8x1 router in a single 3 RU enclosure. One of the outputs of each 2-way splitter is accessible through a rear panel mounted BNC 50 Ω connector to feed fiber optic transmitters. The other output of the 2-way splitter is connected to each of the eight inputs of the 8x1 router. The router output feeds a standby fiber optic transmitter. In the event that one of the eight primary optical links fails, the loss of RF on that failed link is sensed on the receiver end of the link by the RXS007008BFC000. An RS-422 control via the RXS007008BFC000 causes the TXS007008BFC000 router to route the input of the failed link to the standby fiber link. A rear panel mounted RJ45 connector provides an Ethernet port for the M&C monitoring of the switch position. Dual AC inputs and dual internal power supplies are included for power redundancy.

Note: All unused RF output ports must have 75 Ω terminations.

## Specifications:

<b>Frequency:</b>	70 ± 20 MHz
<b>Impedance:</b>	75 Ω
<b>P1dB:</b>	+8 dBm
<b>Insertion Loss (primary):</b>	4.0 dB ± 1.0 dB
<b>Insertion Loss (backup):</b>	3.0 dB ± 1.0 dB
<b>Frequency Response:</b>	± 1.0 dB
<b>Isolation (splitter out to switch out):</b>	60 dB
<b>Return Loss:</b>	16 dB
<b>RF Connectors:</b>	BNC, 75 Ω
<b>Power Requirements:</b>	100-240 V~, 50/60 Hz
<b>Power Consumption:</b>	14 W
<b>Local Control:</b>	Front panel keypad with LCD
<b>System Communications:</b>	RS-422
<b>Monitor &amp; Control:</b>	Ethernet
<b>Mechanical:</b>	3 RU (5.25"H x 19"W x 20"D)
<b>Weight:</b>	17.1 lbs. gross (boxed), 11.1 lbs. net



250 Airport Road • Indiana, PA 15701 • (800) 839-3658 • (724) 349-1412 • Fax: (724) 349-1421

<http://www.quitechelectronics.com/> • [info@quitechelectronics.com](mailto:info@quitechelectronics.com)