

## General Description:

Designed and optimized specifically for the 50-90 MHz frequency band, the **RSS00708X8SA001** bi-directional redundancy switch routes a redundant backup input signal to any one output. The unit receives Quintech protocol V.2.30 data commands via RS-485 signal through data port on rear panel. Like all other Quintech RF products, the RSS series switches are manufactured using highly reliable surface mount technology and advanced microstrip RF circuitry. The 1 RU rackmount enclosure is fitted with rack slides.

## Specifications:

<b>Frequency:</b>	50-90 MHz
<b>Input Power (operational):</b>	+10 dBm
<b>Input Power (survivable):</b>	+20 dBm
<b>Insertion Loss (to main path):</b>	1 dB p-p
<b>Insertion Loss (to redundant path):</b>	1.5 dB p-p
<b>Impedance:</b>	50 Ohm
<b>MTBF:</b>	15 years
<b>Isolation (any ports not routed together):</b>	80 dB
<b>Amplitude Flatness:</b>	0.3 dB p-p
<b>Phase Linearity:</b>	+/- 5°
<b>VSWR</b>	1.2:1
<b>Power Consumption:</b>	2 W
<b>Control:</b>	RS-485
<b>Baud Rates (front panel selectable):</b>	4800, 9600, 19.2K, 38.4K, 57.6K, 115.2K
<b>Operating Temperature:</b>	+5° to +60° C
<b>Mechanical:</b>	1 RU (1.75" H x 19" W x 14" D)
<b>Weight:</b>	8.4 lbs. gross (boxed), 6.4 lbs. net

