



Blue Tops RF Modules > Switches > Low Noise RF Switch LNSW

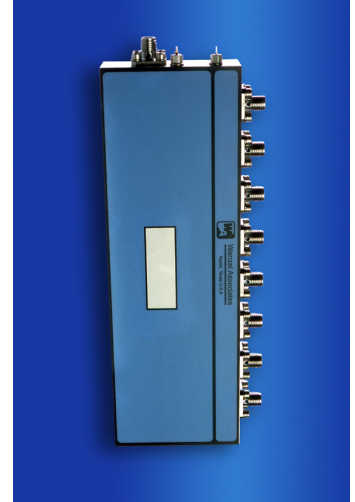
Features:

- Internal Terminations
- Integral Control Logic
- Eight Outputs
- Integral Voltage Regulator

Applications:

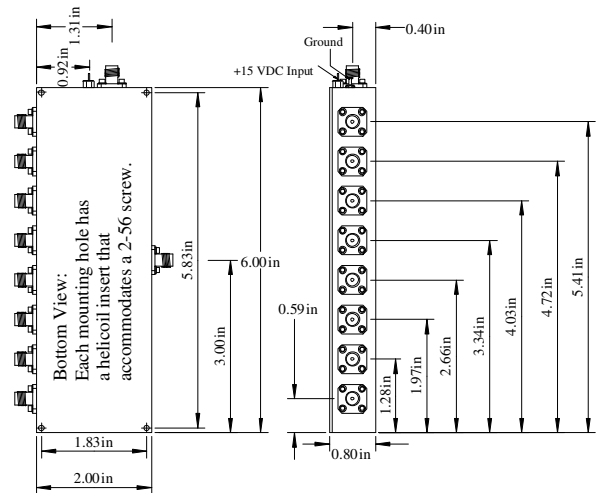
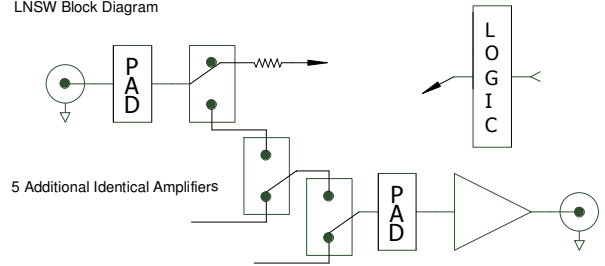
- Logic Signal Distribution

The LNSW is a broadband RF switch implemented with multiple tiers of the Mini-Circuits RSW-2-25P SPDT GaAs switch. The LNSW features fast switching, good port-to-port isolation, and built-in output amplification/attenuation. The amplifier may be left out for bidirectional operation. Adjacent port-to-port isolation is better than 45 dB at 1 GHz and the loss is typically less than 1 dB per tier at 1 GHz (3 dB typical for the LNSW-8), not including any amplifier gain or attenuators. (See the RSW-2-25P for additional specifications.) Internal logic is included to control the switches with a single word (4 bits for the LNSW-8). The LNSW-8 operates on +15 VDC and consumes about 80 mA plus the current requirement of the selected amplifier, if any.



Typical Specifications:	
Frequency	To 2 GHz
Signal Level	+24 dBm Max.
Loss (@ 1 GHz for LNSW-8)	
(Typical, no amplifier)	3 dB
Input VSWR (internal)	<1.5:1
Port-to-Port Isolation (@ 1 GHz)	>45 dB
Supply Voltage	+15 VDC
Current, Max	250 mA
Dimensions	6 x 2 x 0.8"
Connectors	
Power	Feed-thru Capacitor
Ground	Turret Terminal
RF Input / Output	Female SMA

LNSW Block Diagram



Ordering Information:

