



## Features and Benefits

- Low Cost MMIC Construction
- 30nS Switching Time
- High Isolation
- Low Loss
- High Power Handling (10W)
- TTL Control

### ADDRESS

12 Lancaster County Road  
Harvard, MA 01451

**MAIN:** 978-772-7774

**FAX:** 978-772-7775

**EMAIL:** sales@rec-usa.com

**WEB:** www.rec-usa.com

The HSWM22801-351 SPDT Broadband Switch covers a wide range of applications in the 26 to 40 GHz band.

The switch uses a low loss microstrip structure and a GaAs MMIC which also offers high RF power handling. Superior performance in a compact size is featured in this design.

Applications include transmit/receive switching, receiver protection, integrated subsystems and general RF switching.

## Specifications

<b>Frequency</b>	26.5 - 40.0 GHz
<b>Isolation</b>	30 dB min, 38 dB typ
<b>Insertion Loss</b>	2.3 dB typ, 3.1 dB max (26.5 to 36.0 GHz) 3.1 dB typ, 3.9 dB max (36.0 to 40.0 GHz)
<b>Power Handling</b>	+40 dBm (10W) max
<b>Switching Speed</b>	30 nS typ, 50% DC to 90% RF 21 nS typ, 50% DC to 10% RF
<b>Driver Delay</b>	25 nS typ
<b>Bias</b>	+4V @ 25 mA typ -25V @ 1 mA typ*
<b>RF Input/Output</b>	2.9mm female
<b>Bias Connectors</b>	Solder Feedthroughs
<b>Logic Connector</b>	SMA female

\*Switch can operate at lower reverse voltage at the sacrifice of input power handling.

VNA data  
Coming Soon