

DESCRIPTION

The HSWM22801-309 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.



Features and Benefits

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

Specifications

Frequency:	26.5 - 40.0 GHz
Isolation:	30 dB min, 38 dB typ
Insertion Loss:	1.3 dB typ, 1.8 dB Max
Power Handling:	41 dBm, (10W) Max
Switching Speed:	30nS typ <small>(10 to 90% RF & 90 to 10% RF)</small>
Driver Delay:	25nS
Bias:	+5V @ 35mA, -25V @ 1mA typ
RF Input/Output:	2.9mm female
Bias Connectors:	Solder Feedthroughs
Logic Connector:	SMA female