



DC – 3.0 GHz Hermetic SPDT Switch, RSM-2D-H-28

For space and harsh environments, Renaissance has developed a truly hermetic SPDT switch that is laser welded with fine leak rate compatible to 10^{-5} atm/cc/sec. The inside is filled with inert gasses to avoid any condensation at cold temperatures.

Features and Benefits

- Broadband performance
- Low loss / High isolation
- Hermetically sealed
- Compact size
- Can be used in multiple platforms
- Designed for high-rel applications
- Improves overall system's performance
- Improved shelf life

Specifications

Frequency	DC – 3.0 GHz
Impedance	50 Ohms
Input Power	Solder Terminals
Switching Time (max)	20 ms
Life (min)	1,000,000 cycles
VSWR (max)	1.15 : 1
Insertion Loss (max)	0.2 dB
Isolation (min)	80 dB
Coil Resistance	175 Ohms
Drop-out Voltage	2.5 Vdc
Pull-in Voltage	18 Vdc
Op Voltage	28 Vdc (20 – 30 Vdc)
Current (typ)	175 mA
Op Temperature	-55°C to +85°C
Size	1.40" x 1.32" x .50"