



## Solid state switch 3 MHz - 3 GHz

MTS-No.: 52.50.0120

### Application

The Solid state switch for long-term reliability by very high isolation.

The HLS fits for all mobile-applications and for the satellite-communication (L-band) because of it's high bandwidth.

### Solution

- compact construction
- high bandwidth
- very high isolation



### Specification

Frequency range:	3MHz - 3000MHz	RF connectors:	Input: SMA (female) output: SMA (female)
Impedance:	50Ω	Control interface:	Erni SMC connector system 1,27mm, 12 pole
Insertion loss:	700MHz - 1100MHz: < 4,5dB 3MHz - 3000MHz: < 6,5dB	Dimensions (H x W x D):	18mm x 114mm x 80/82mm (without connectors)
VSWR IN:	< 1,9 : 1	Case:	Aluminum chromized (RoHs conform)
VSWR OUT:	< 1,9 : 1 (switched path and other terminated paths)	Operating temperature:	-10 to +50°C
Isolation:	700MHz - 1100MHz: > 70dB 3MHz - 3000MHz: > 60dB (between switching path and the other paths)	Storage temperature:	-20 to +100°C
Maximum RF input power:	switching path: +26dBm other paths with termination: +21dBm	Cooling:	not necessary
Control:	TTL signals, 1 Enable + 4bit Data + 3bit Adress		
Switching time:	< 10μ typ. (input control to switching path)		
Power requirements:	DC: +5V ±5% < 1mA typ.		