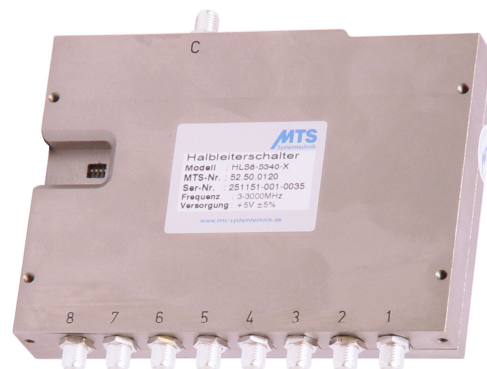


## Semiconductor Switch HLS8-5340-S1

MTS-No.: 23208

### Short description

The Semiconductor Switch HLS8-5340-S1 has been developed by MTS for long-term reliability and provides a very high isolation. It is configured with 1 input and 8 outputs (others on request). The HLS fits for the most mobile applications and for the satellite communication (L-band) because of its high bandwidth from 3 MHz to 3 GHz.



### Technical data:

#### 1 RF-specifications:

1.1 Divider type	HLS, 8-way
1.2 Impedance	50 Ω
1.3 Input power	+26 dBm max., +21 dBm max. @ internal terminations
1.4 Frequency range	3 MHz - 3000 MHz
1.5 Switching time	<10 μs typ.
1.6 VSWR in	2.5:1 max. 1.9:1 max. up to 2000 MHz
1.7 VSWR out (switched or internal terminated)	2.5:1 max. 1.9:1 max. up to 2000 MHz
1.8 Insertion loss	6.5 dB max. 4.5 dB max. @ 700 - 1100 MHz
1.9 Isolation	60 dB min. 70 dB min. @ 700 - 1100 MHz

#### 2 Connections:

2.1 RF-in- and outputs	9x SMA female (2x SMB female available on request)
2.2 Control and voltage supply	1x Erni SMC socket 1.27mm 12 pole

#### 3 General specifications:

3.1 Power supply	5 V DC ± 5 %
3.2 Power consumption primarily	<1 mA typ.
3.3 Control interface	4 bit for data + 3 bit for address + 1 bit for enable, TTL
3.4 Operating temperature	0 °C - +50 °C
3.5 Reference temperature of specifications	+25 °C
3.6 Dimensions (without connections)	114 mm x 82 mm x 18 mm (LxWxH)
3.7 Case style	Milled aluminium enclosure
3.8 Colour	Nickel plated
3.9 Weight	250 grams

#### 4 Delivered parts:

HLS8-5340-S1  
Datasheet

#### 5 Comments:

Warranty 12 months  
RoHS-compliant Yes

#### 6 Recommended accessories:

Control card for HLS  
Bus board for HLS  
RF-cables

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Views:

