Product-Discontinuation Notice

Affected products:

DSS 502, DSS 504, DSS 506, DSS 508, DSS 510

Effective date:

after current stock is sold out

Details:

The production of these switches stopped because of supplier problems.

For replacement, we recommend the following through-hole components:

DBS 5002 G, DBS 5004 G, DBS 5006 G, DBS 5008 G, DBS 5010 G,

alternatively, the following SMT switches:

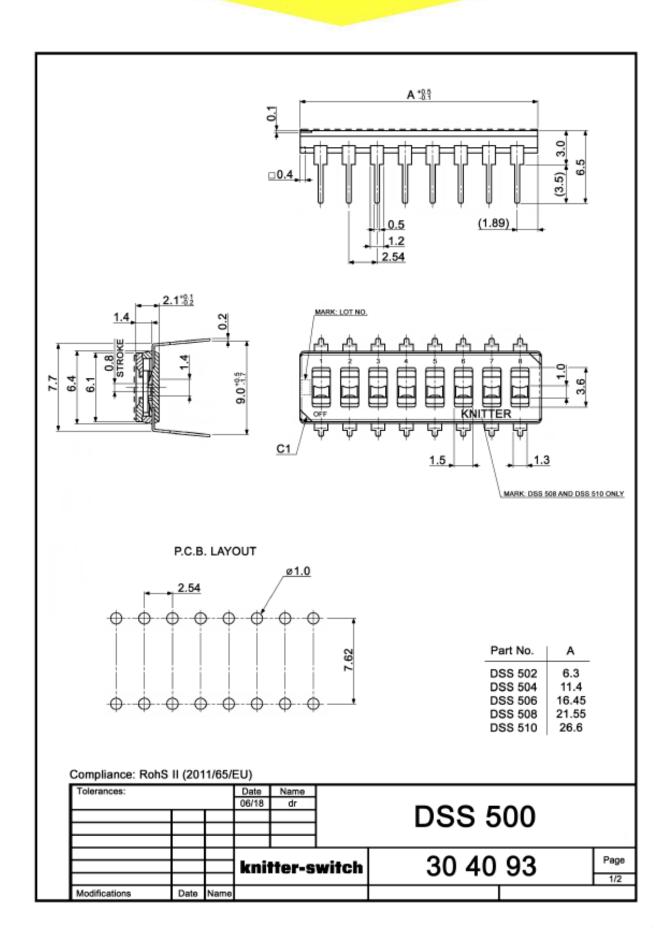
SMS 502, SMS 504, SMS 506, SMS 508, SMS 510.

knitter-switch, June 2021

Oliv Uly

Oliver Kluj

Technical Director



Specifications:

Contact rating: Contact resistance: 100mA, 50V DC 50mOhm max.

Insulation resistance:

1 000MOhm min. at 100V DC

Dielectric strength:

500V, 50Hz for the duration of 1 minute

Capacity:

max. 5pF between 2 poles

Operating temperature: Mechanical life: -25°C to +80°C min. 1 000 cycles

Shock resistance:

contact interruption <10µsec. with triple shock in all 6 direction shock conditions: 20G, 11msec. duration (sine half wave)

Vibration:

contact interruption: <10µsec. at vibration test in accordance with MIL-STD-202 D, method 204, condition C

case sealed, slide recessed, sealed with protective tape

Construction: Mounting:

on pc-board

Slide position:

off

Soldering conditions:

pre-heat max. 100°C, max. 60 sec.

wave soldering max. 260°C, max. 5 sec.

Material:

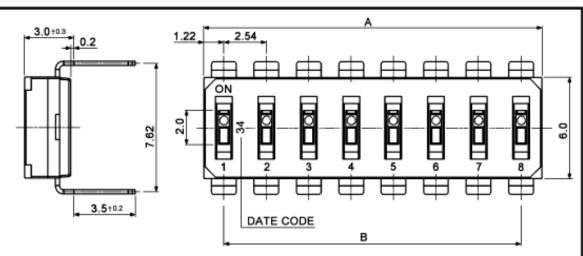
Contacts: beryllium copper, plated 0.2µm Au over 0.2µm Ag over 0.5µm Ni

Terminals: nickel silver, plated 0.1µm Au over 0.1µm Ni

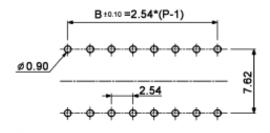
Slider: PA Case: PPS

Compliance: RohS II (2011/65/EU)

Tolerances:			Date 06/18	Name dr		D00 5	500	
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P.C.B. LAYOUT



xx	Poles	DIM. A	DIM. B
01	1	2.44	-
02	2	4.98	2.54
03	3	7.52	5.08
04	4	10.06	7.62
05	5	12.60	10.16
06	6	15.14	12.70
07	7	17.68	15.24
80	8	20.22	17.78
09	9	22.76	20.32
10	10	25.30	22.86
12	12	30.38	27.94

SCHEMATIC (TYP.)

?????????

(12 POS. AVAIL)

Specifications: Contact rating:

non-switching: 100mA, 50V DC

switching: 25mA, 24V DC min.: 20mV AC/DC at 1µA

Contact resistance:

100mOhm max.

Insulation resistance:

100MOhm min. at 500V DC for 1 minute +/-5sec.

Dielectric strength: Shock resistance:

500V AC (50/60Hz) for 1 minute MIL STD 202F, method 213B, cond. A,

contact interrruption <10µsec.

Vibration resistance:

MIL STD 202F, method 204, cond. C,

contact interruption <10µsec.

Operating temperature:

-40°C to +85°C -40°C to +85°C

Storage temperature: Mechanical life:

5 000 cycles 1 000gf max.

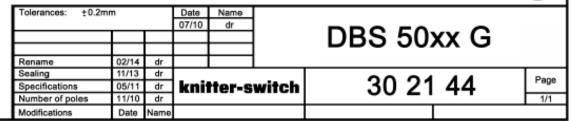
Operating force: Soldering conditions:

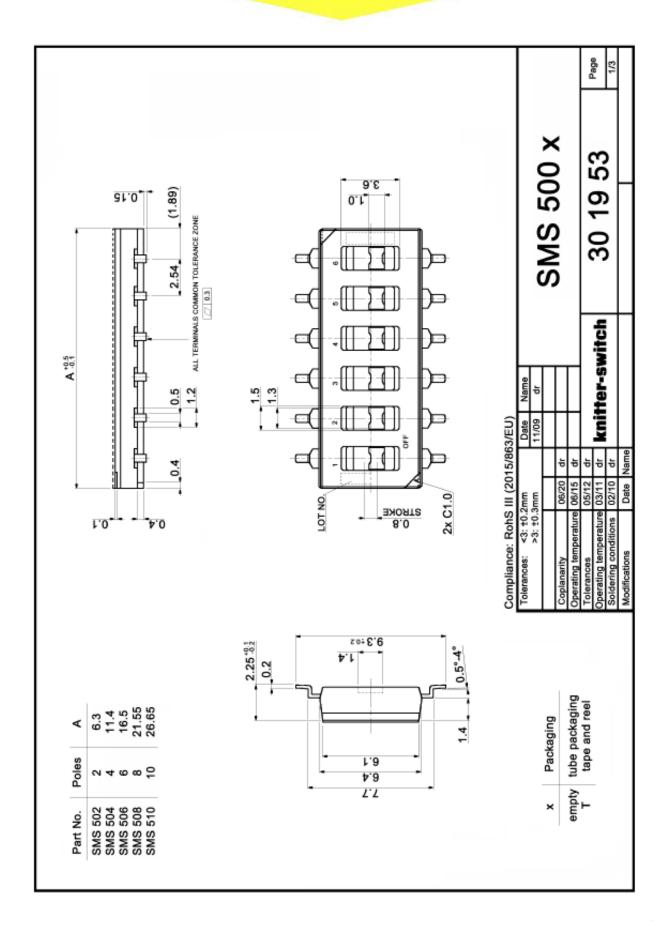
260°C max., 10sec. max.

Sealing: Material: by protective tape, washable by aqueous detergents and isopropyl alcohol Cover / base: high-temp. thermoplastic PA-9T UL94V-0, molded black

Contact: copper, 0.3µm gold plated over 0.5µm nickel Terminal: brass, 0.3µm gold plated over 0.5µm nickel Actuator: thermoplastic LCP UL94V-0, molded white

Tape: kapton





Specifications:

Contact rating:

100mA, 50V DC

Contact resistance:

50mOhm max. 1 000MOhm min. at 100V DC

Insulation resistance: Dielectric strength:

500V, 50Hz for the duration of 1 minute

Capacity:

max. 5pF between 2 poles

Operating temperature:

-40°C to +105°C

Mechanical life:

min. 1 000 cycles

Shock resistance:

contact interruption <10µsec. with triple shock in all 6 direction shock conditions: 20G, 11msec. duration (sine half wave) contact interruption: <10µsec. at vibration test in accordance

with MIL-STD-202 D, method 204, condition C

Construction:

Vibration:

case sealed, slide recessed, sealed with protective tape

Mounting:

on pc-board - SMD

Slide position:

off

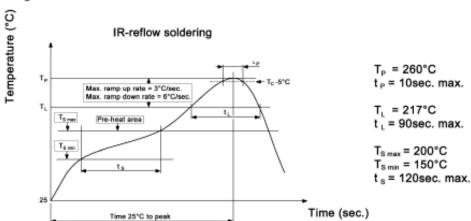
Material:

Contacts: beryllium copper, plated 0.3µm gold over 2µm nickel

Terminals: nickel silver, plated 0.3µm gold over 2µm nickel

Case / slide: PA

Soldering conditions:



Compliance: RohS III (2015/863/EU)

	Tolerances: <3: ±0.2mm >3: ±0.3mm				_			
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Modifications	Date	Name						