



The **Tesoel** electromechanical coaxial switch TS 210 is used in commercial and defence microwave and RF systems where low current consumption , small size, low insertion loss and high reliability is required.

The TS 210 coaxial switch is SPDT- “single pole double through”, latching version. It is available with SMA or SMB stainless steel connectors.

When the switch is energized, the actuator switches to a second position where it is held magnetically.

The switch sequence is” break before make” and standard voltage is 28 or 12 volts. Versions for other supply voltages can be supplied on request.

**Tesoel** has developed and produced a wide variety of coaxial switches over a period of more than tree decades. You are welcome to contact us with all your requirements for electromechanical coaxial microwave switches.

For detailed information please contact **Tesoel** representative in your country

# Model TS 210 SPDT Latching SMA

## MECHANICAL

<b>IMPEDANCE:</b> 50 Ohm	<b>RF-CONNECTORS:</b> Stainless steel, Beryllium-Copper
<b>RF-CIRCUIT:</b> Break – Before –Make	<b>RF-CIRCUIT :</b> Aluminum,nickelplated and goldplated contacts
<b>SWITCH MODE :</b> SPDT latching	<b>WEIGT :</b> 25 Grams
<b>CONNECTORS :</b> SMA *	<b>TEMPERATURE:</b> -40 C to + 85 deg C
<b>ACTUATING VOLTAGE :</b> 28 V +/- 5 V 12 V +/-2,4V (Pulsewidth 20-50ms)	<b>OPERATING LIFE:</b> 1 Million operations
<b>ACTUATING CURRENT:</b> 60 mA (+20 C) 120mA (+20 C )	<b>PROTECTION :</b> Splash proof
<b>SWITCHING TIME :</b> 15 ms	<b>VIBRATION :</b> Sine 1 mm, 5-60 Hz Sine 10 g , 60- 2000Hz
	<b>TERMINALS :</b> Solder pins

\*) Available with SMB or Solder connector

## ELECTRICAL

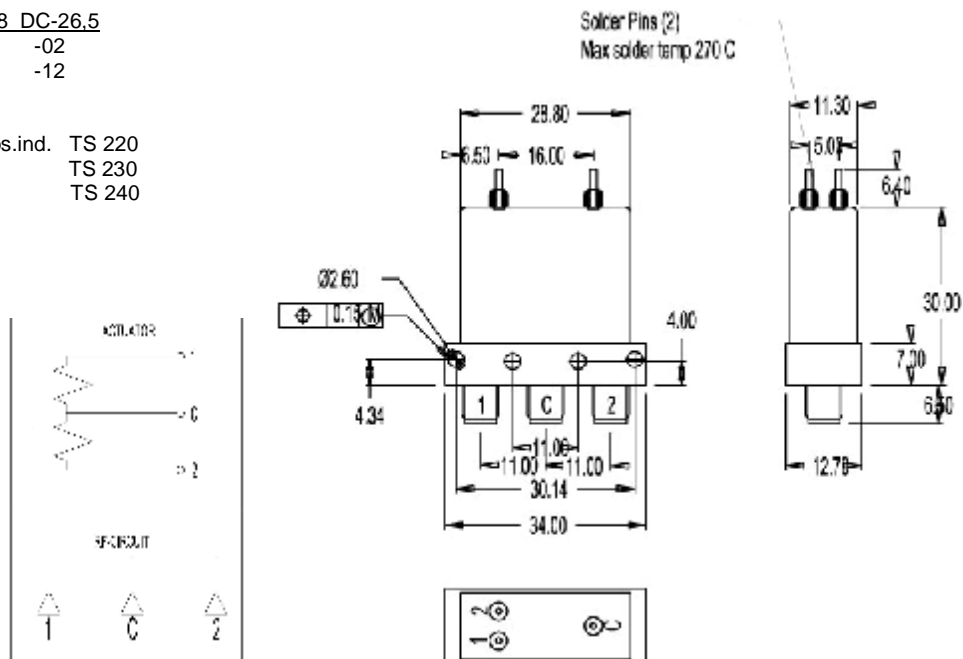
FREQUENCY RANGE (GHz)	DC-3	3-12	12-18	18-26,5
<b>VSWR MAX</b>	1,1	1,35	1,5	1,7
<b>INSERTION LOSS MAX (dB)</b>	0,2	0,3	0,5	0,7
<b>ISOLATION MIN (dB)</b>	80	70	60	50
<b>AVERAGE POWER W (+20°C)</b>	100	60	30	15

HOW TO ORDER:

TS 210 DC-3 DC-18 DC-26,5  
 28V -01 -00 -02  
 12V -11 -10 -12

Also available with:

Built-in-cut-off and pos.ind. TS 220  
 Built-in pos.ind. TS 230  
 Built-in cut-off TS 240



Dimensions in mm for standard stock items.  
 Special version with two mounting holes only, is available in high quantities.

Representative:

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