

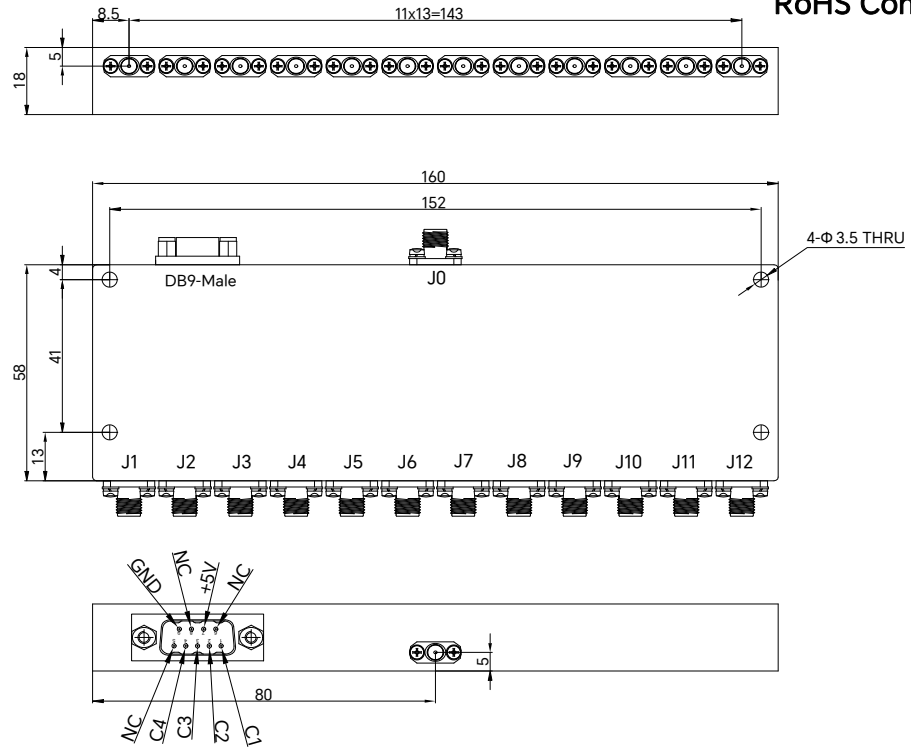
**PART NUMBER**  
**TMPS12-00400600-2S**

REV.	DATE	COMMENTS	INITIAL
1	2020/8/8	ENGINEERING RELEASE	

**SPECIFICATIONS**

Frequency Range ..... 0.4-6GHz  
 Insertion Loss ..... 3.0dB max  
 Isolation ..... 80dB min  
 Input&Output VSWR ..... 1.6 max  
 RF Input Power ..... 2W  
 Switching Speed ..... 200ns max  
 Voltage/Current ..... +5Vdc@520mA max  
 Connectors ..... SMA-Female  
 Control Connector ..... DB9-Male  
 Operating Temperature ..... -40°C~+70°C  
 Storage Temperature ..... -55°C~+85°C  
 Dimensions ..... 160 × 58 × 18mm  
 Material ..... Aluminum 6061  
 Surface Finish ..... Nickel Plated

**RoHS Compliant**



Drawing not to scale, units:mm

**Control Truth Table**

TTL Control Voltage Threshold				Low(0)=0V	High(1)=3.3V-5V
C4	C3	C2	C1	Signal Path State	
0	0	0	0	J0→J1	
0	0	0	1	J0→J2	
0	0	1	0	J0→J3	
0	0	1	1	J0→J4	
0	1	0	0	J0→J5	
0	1	0	1	J0→J6	
0	1	1	0	J0→J7	
0	1	1	1	J0→J8	
1	0	0	0	J0→J9	
1	0	0	1	J0→J10	
1	0	1	0	J0→J11	
1	0	1	1	J0→J12	
1	1	0	0	OFF	

<b>PART NUMBER</b> <b>TMPS12-00400600-2S</b>	
<b>CAGE CODE</b>	<b>SIGNATURE</b>
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**DESCRIPTION**  
**PIN Diode Switch, SP12T, 0.4-6GHz,  
Absorptive, 2W, SMA-Female**

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