

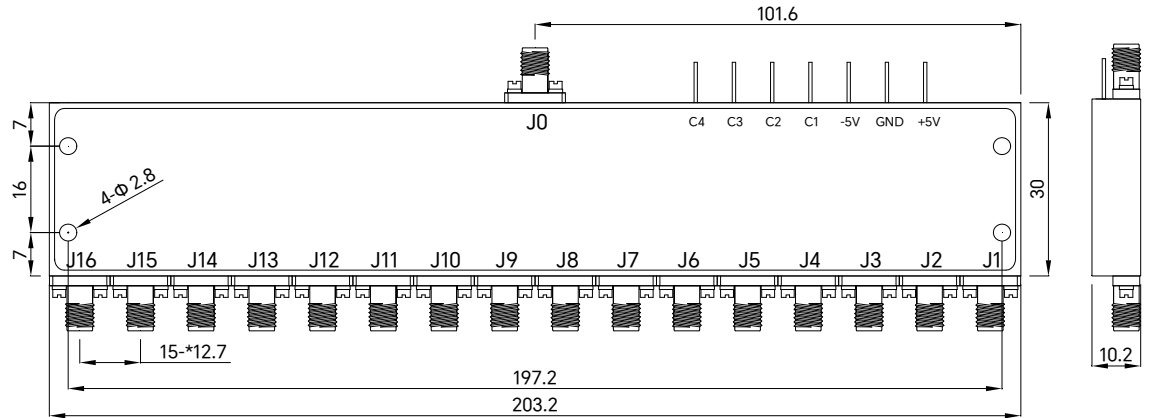
PART NUMBER
TMPS16-00401800-2A

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

SPECIFICATIONS

RoHS Compliant

Frequency Range 0.4-8GHz
 Insertion Loss 7.5dB max
 Isolation 80dB min
 Input&Output VSWR 2.0 max
 RF Input Power 24dBm
 Switching Speed 150ns max
 Voltage/Current +5Vdc@800mA max
 -5Vdc@100mA max
 Connectors SMA-Female
 Operating Temperature -40°C~+70°C
 Storage Temperature -55°C~+85°C
 Dimensions 203.2 × 30 × 10.2mm
 Material Aluminum 6061
 Surface Finish Nickel Plated



Drawing not to scale, units:mm

Control Truth Table

TTL Control Voltage					Low(0)=0V
Threshold					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	J0→J13

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DESCRIPTION
PIN Diode Switch, SP16T, 0.4-8GHz, Absorptive, 24dBm, SMA-Female

CAGE CODE

SIGNATURE



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-	1	1	0	1	J0→J14
-	1	1	1	0	J0→J15
-	1	1	1	1	J0→J16
-	-	-	-	-	-