泰莱微波 Talent Microwave

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Model:TLSP32T0.3G18GA

Absorption,Broadband GaAs MMIC Switch 0.3-18GHz,SP32T,SMA,

Feature:

- Ultra Wide Band: 0.3-18 GHz
- Low Insertion Loss: 6 dB
- Power Handling : 30 dBm
- High Isolation
- Switch Type: Absorption

电气特性 Electrical:

参数Parameter	Min.	Typ.	Max.	单位Units
频率范围 Frequency range		0.3-18		GHz
插损 Insertion Loss		6		dB
隔离 Isolation	40	45		dB
切换速度 Switch Speed		50	100	ns
输入驻波 Input VSWR		1.5	2.5	:1
输出驻波 Output VSWR		1.5	2.5	:1
最大输入功率RF Input Power			24	dBm
直流电压 DC Voltage		+5/-5		V DC
直流电流 DC Supply Current			500/100	mA
控制 Control Logic TTL		“0”=Low ; “1”=High		V
阻抗 Impedance		50		Ohms

机械特性 Mechanical:

参数Parameter	指标 Value	单位Units
输入输出接口Input /Output Connector	SMA Female	
直流控制接口Control Bias	MICRO-D15	
重量 Weight	TBD	g

绝对最大值 Absolute Maximum Ratings:

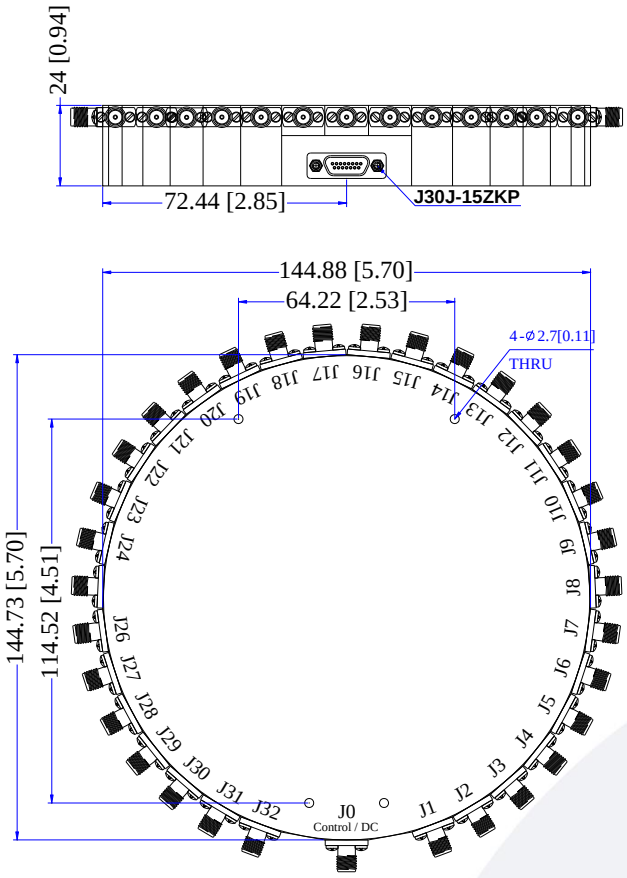
参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	±5V +/-5%
输入功率 RF Input Power	24 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

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外形尺寸Outline Drawing:

Unit: mm(Inches)



MICRO-D15 Female Define	
引脚 Pin #	功能Function
1-5	C1-C5
6-8	+5V
9-11	-5V
12-14	GND
15	NC

OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

温度环境 Environmental Conditions:

参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-25		+85	℃
存储温度 Non-operating Temperature	-55		+125	℃
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号Revision
TLSP32T0.3G18GA	Absorption,Broadband PIN Switch 0.3-18GHz,SP32T,SMA	Rev.1.1

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真值表 Truth Table:

真值表 Truth Table					
	Control TTL Input				
C5	C4	C3	C2	C1	Signal Path State
0	0	0	0	0	J0-J1
0	0	0	1	0	J0-J2
0	0	1	0	0	J0-J3
0	0	1	1	0	J0-J4
0	1	0	0	0	J0-J5
0	1	0	1	0	J0-J6
0	1	1	0	0	J0-J7
0	1	1	1	0	J0-J8
1	0	0	0	0	J0-J9
1	0	0	1	0	J0-J10
1	0	1	0	0	J0-J11
1	0	1	1	0	J0-J12
1	1	0	0	0	J0-J13
1	1	0	1	0	J0-J14
1	1	1	0	0	J0-J15
1	1	1	1	0	J0-J16
0	0	0	0	1	J0-J17
0	0	0	1	1	J0-J18
0	0	1	0	1	J0-J19
0	0	1	1	1	J0-J20
0	1	0	0	1	J0-J21
0	1	0	1	1	J0-J22
0	1	1	0	1	J0-J23
0	1	1	1	1	J0-J24
1	0	0	0	1	J0-J25
1	0	0	1	1	J0-J26
1	0	1	0	1	J0-J27
1	0	1	1	1	J0-J28
1	1	0	0	1	J0-J29
1	1	0	1	1	J0-J30
1	1	1	0	1	J0-J31
1	1	1	1	1	J0-J32

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