

TLFS00522-25

50MHz-22.6 GHz Frequency synthesizer, 4 dBm

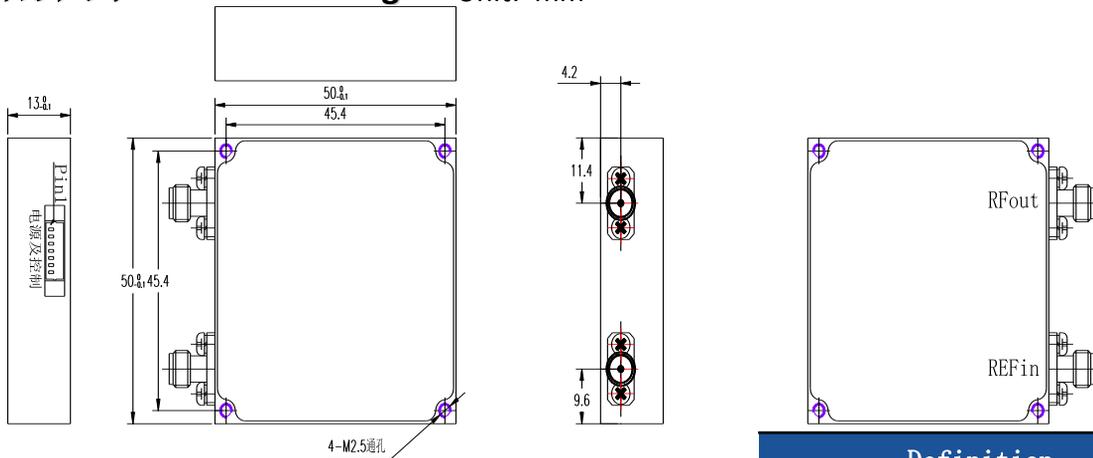
电气参数 Electrical Characteristics:

参数Parameter		参数Parameter			
Input Frequency 输入频率 (MHz)		100			
Input Power 输入功率 (dBm)		7±3			
Input Reference Phase Noise 输入参考相位噪声		-155dBc/Hz@1kHz			
Impedance 输入阻抗		50 Ω			
Output Frequency 输出频率 (MHz)		50MHz-22600MHz			
Frequency Step 频率步进 (Hz)		0.1			
Switching time 跳频时间 (uS)		≤ 25 us			
Output Power 输出功率 (dBm)		4±5dBm			
Spurious 杂散 (dBc)		≤ -70 (Typ) ≤ -65 (Max)			
Harmonics 谐波 (dBc)		≤ -5			
Phase Noise 相位噪声	dBc/Hz@100Hz	@1GHz	≤ -110	@5GHz	≤ -98
	dBc/Hz@1kHz		≤ -130		≤ -117
	dBc/Hz@10kHz		≤ -136		≤ -125
	dBc/Hz@100kHz		≤ -136		≤ -125
	dBc/Hz@1MHz		≤ -136		≤ -125
Phase Noise 相位噪声	dBc/Hz@100Hz	@10GHz	≤ -92	@22.6GHz	≤ -85
	dBc/Hz@1kHz		≤ -110		≤ -104
	dBc/Hz@10kHz		≤ -119		≤ -112
	dBc/Hz@100kHz		≤ -119		≤ -112
	dBc/Hz@1MHz		≤ -119		≤ -112
Power Supply 供电 (V/A)		+12V/700mA			
Max Voltage 最大电压 (V)		+15V			

环境和物理特性 Environmental And Physical Characteristics:

参数Parameter	参数Parameter
Operating Temperature 操作温度	-40°C to +70°C
Storage Temperature 存储温度	-55°C to +85°C
Vibration(operating)震动	10G RMS, 20-2000HZ
Shock 冲击	50G, 1/2Sine, 12msec
Connector射频接口	Input: SMA Female Output: 2.92 female
DC connector直接接口	53261-0671-7P (1.25mmpitch)
Weight重量	TBD

外形尺寸 Outline Drawing: Unit: mm



Definition	
引脚 Pin #	功能 Function
1	+12V
2	GND
3	MOSI (SPI)
4	LE(SPI)
5	SMISO(SPI)