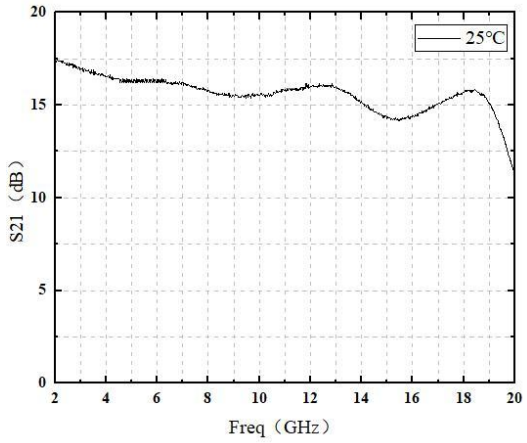
★1.Product Features

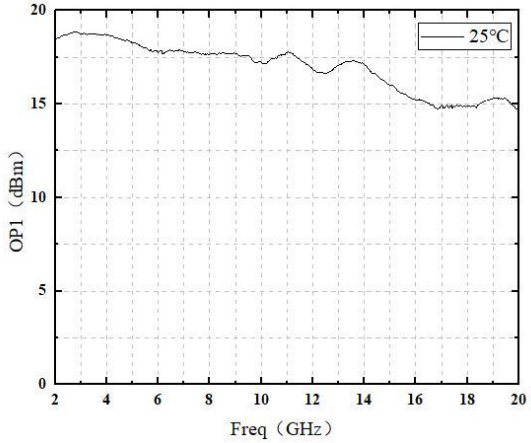
- Operating frequency: 2GHz~20GHz
- Noise figure: 2.5dB@10GHz
- Small signal gain: 15.5dB@10GHz
- Output 1dB compression point: 17.2dBm@10GHz
- Vdd=+5V, quiescent current 69mA
- Package: QFN32 (molded)

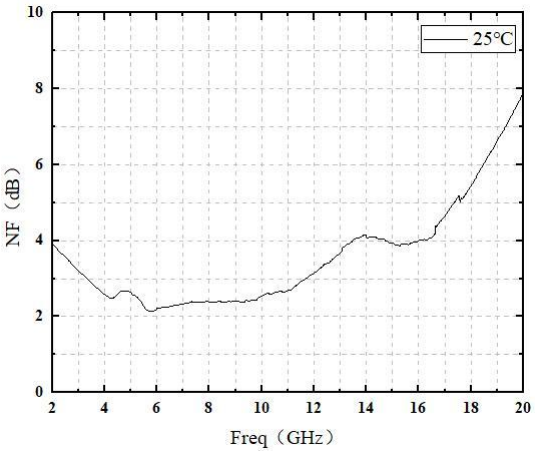
Applications：

Wireless communications, radar, electronic warfare, satellite communications, etc.

★2.Typical Operating Characteristics







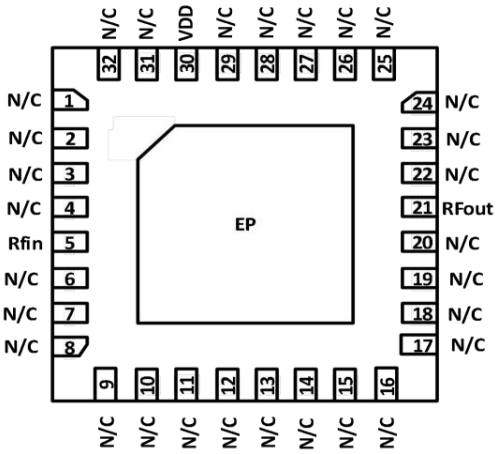
★3.Absolute Maximum Ratings

Parameter	Limit Value
Maximum operating voltage	+5.5V
Storage temperature	-65℃~+150℃
Operating temperature	-55℃~+125℃

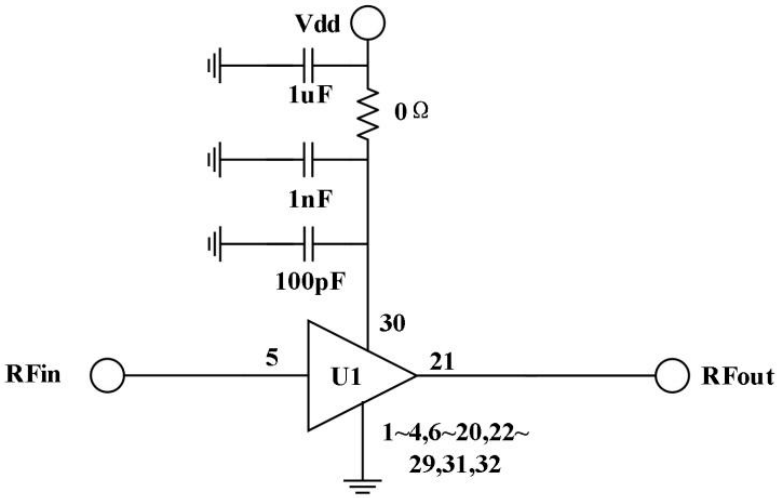
Email: ttf@ttfelectronic.com
Address: Building 16, Area C, Entrepreneurship and R&D Park, Xi'an High-tech Industrial Development Zone, China
Website:ttfelectronic.com

★4.Pin Function Description

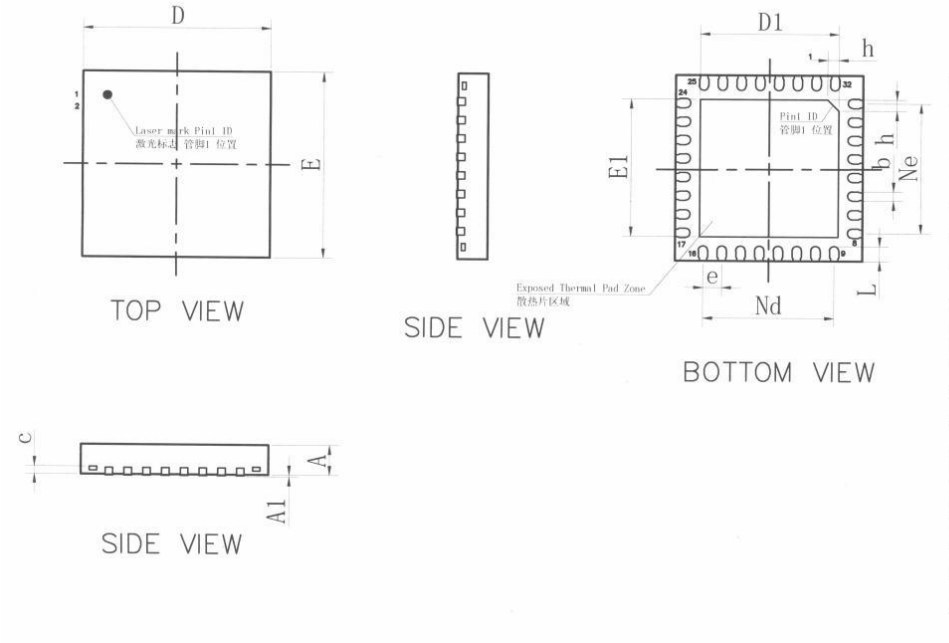
Pin Number	Pin Name	Description
5	RFin	RF input, no DC blocking capacitor required
30	Vdd	Power supply pin
21	RFout	RF output, no DC blocking capacitor required
1~4,6~20,22~29,31,32	NC	No internal connection; external grounding recommended
EP	GND	Exposed pad, RF/DC ground



★5.Typical Application Circuit



★6.Package Information (Unit: mm)



SYMBOL 符号	MILLIMETER 毫米		
	MIN 最小	NOM 标称	MAX 最大
A	0.75	0.80	0.85
A1	0.01	0.02	0.05
b	0.20	0.25	0.30
c		0.270REF	
D	4.90	5.00	5.10
D1	3.35	3.40	3.45
e		0.50BSC	
Ne		3.50BSC	
Nd		3.50BSC	
E	4.90	5.00	5.10
E1	3.35	3.40	3.45
L	0.35	0.40	0.45
h	0.25	0.30	0.35

★7.ESD Warning



This product is sensitive to static electricity.

Appropriate ESD precautions shall be taken to avoid degradation of performance or loss of function.

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