

CATÁLOGO DE PRODUTOS RSE

PRODUTO: **RECEPTOR 480R**



RSE

Automação e Componentes Eletrônicos

RECEPTOR DE SINAL

480R



300MHz - 440MHz
(2kbps, BER 10E-2)
-113 dBm @ 315MHz
-113 dBm @ 433.92MHz

3.4mA/3.3V @315MHz
3.8mA/3.3V @433.92MHz
0.01uA/3.3V @ Shut Down Mode

<3 ms

≤ 10kbps

DC 2.0V~ 5.5V

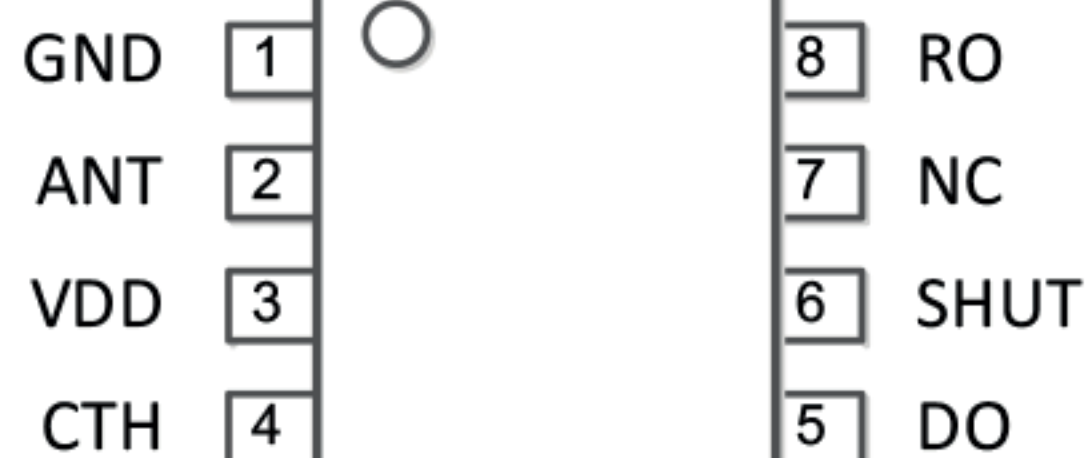
± 300KHz

ESD ± 8KV HBM

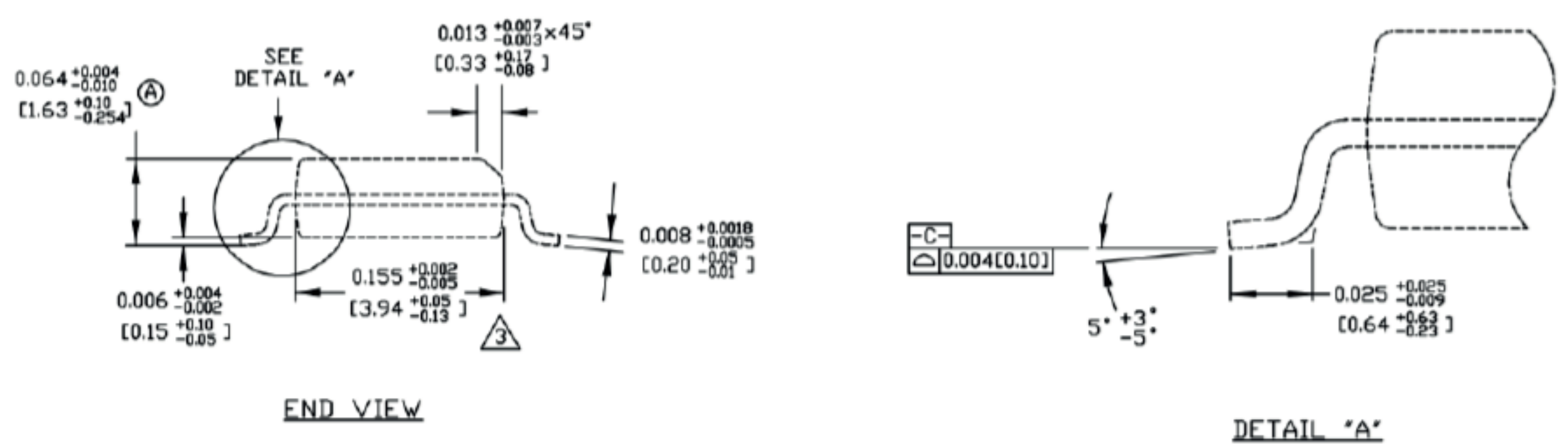
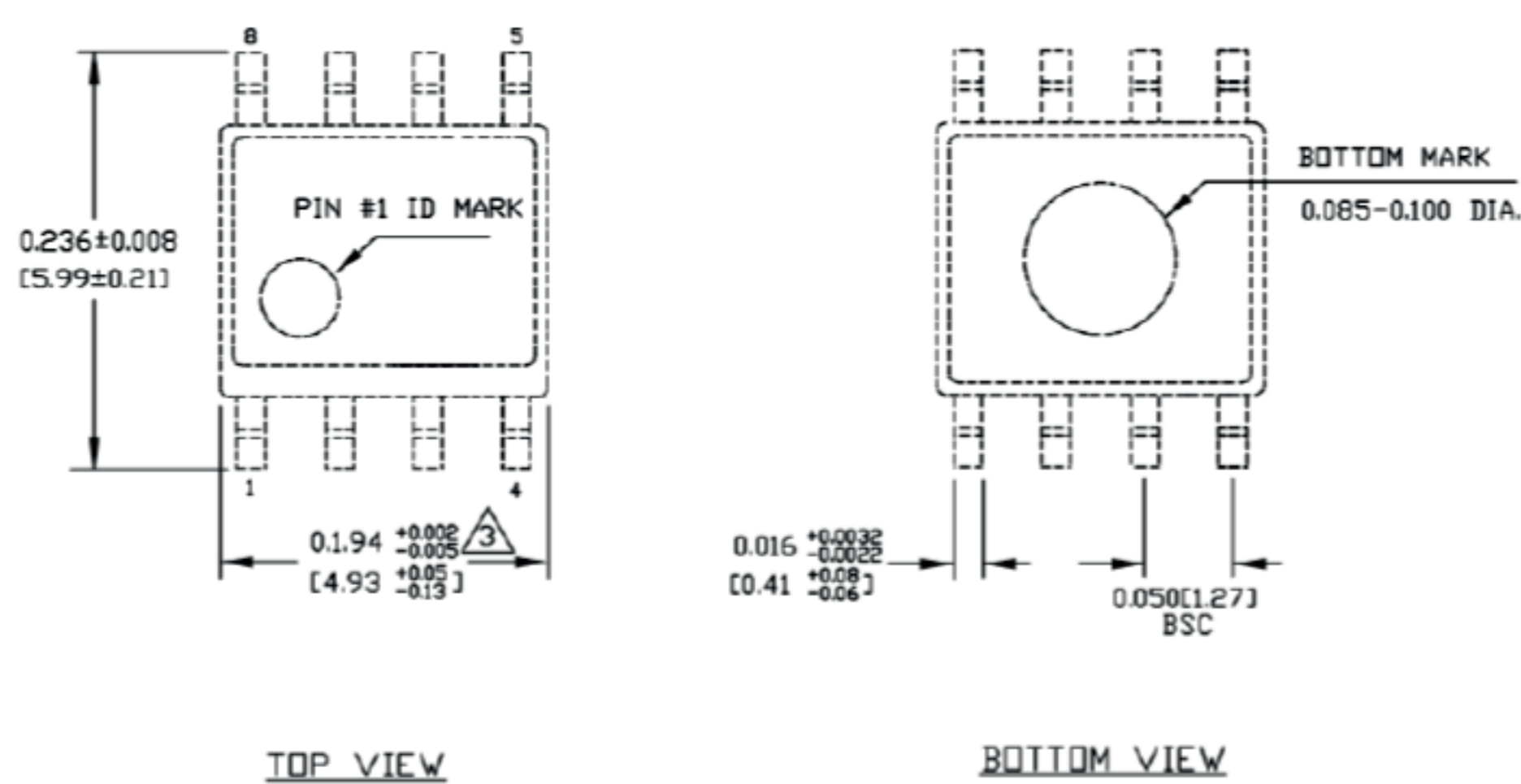
MCU

RoHS

SOP8

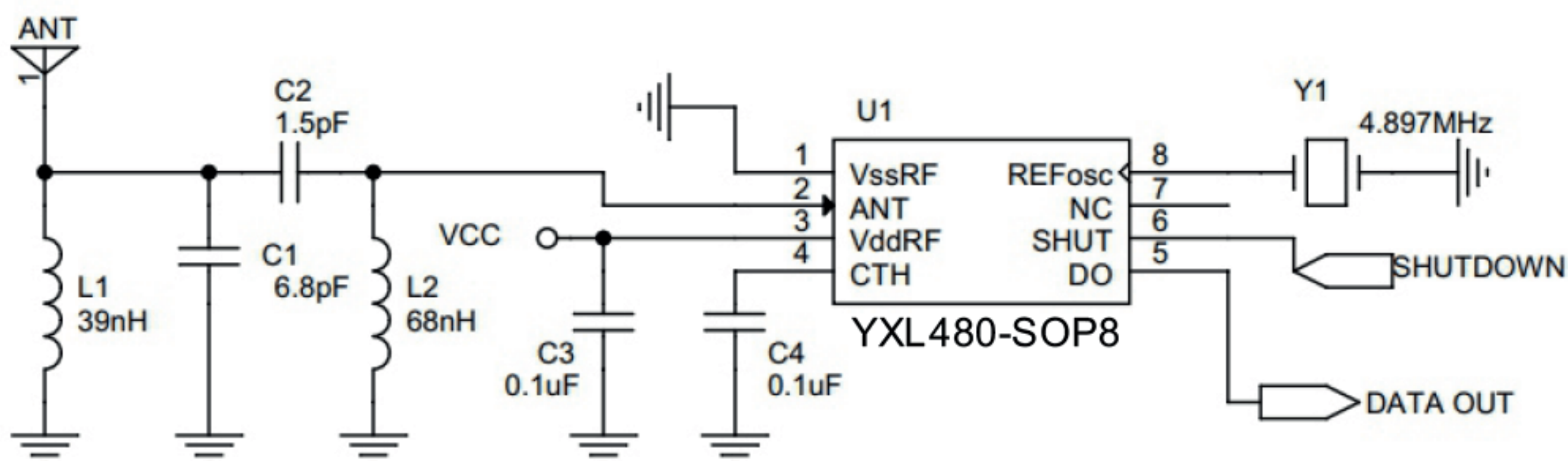


F _{XTAL315}		FRF =315 MHz	2.0	4.8970		MHz
F _{XTAL390}		FRF =390 MHz		6.0630		MHz
F _{XTAL318}		FRF =418 MHz		6.4983		MHz
F _{XTAL433.92}		FRF =433.92 MHz		6.7458		MHz
				± 20		ppm
C _{LOAD}				15		pF
R _m					60	Ω
t _{XTAL}				400		μs

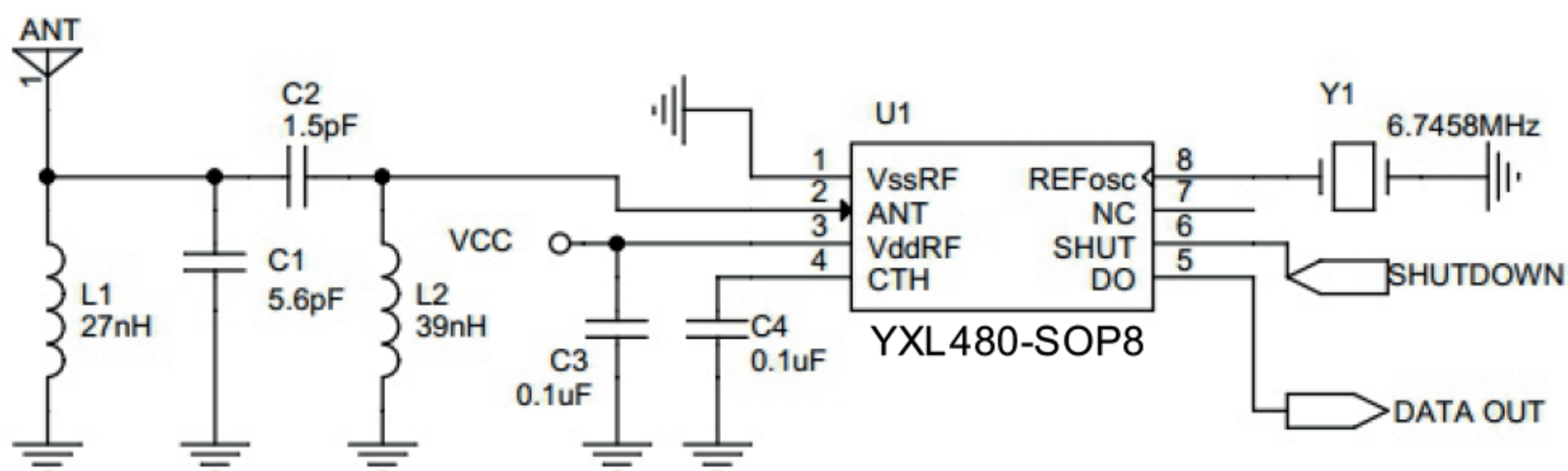


- NOTES:
1. DIMENSIONS ARE IN INCHES[MM].
 2. CONTROLLING DIMENSION: INCHES.
- △ DIMENSION DOES NOT INCLUDE MOLD FLASH OR PROTRUSIONS, EITHER OF WHICH SHALL NOT EXCEED 0.010[0.25] PER SIDE.

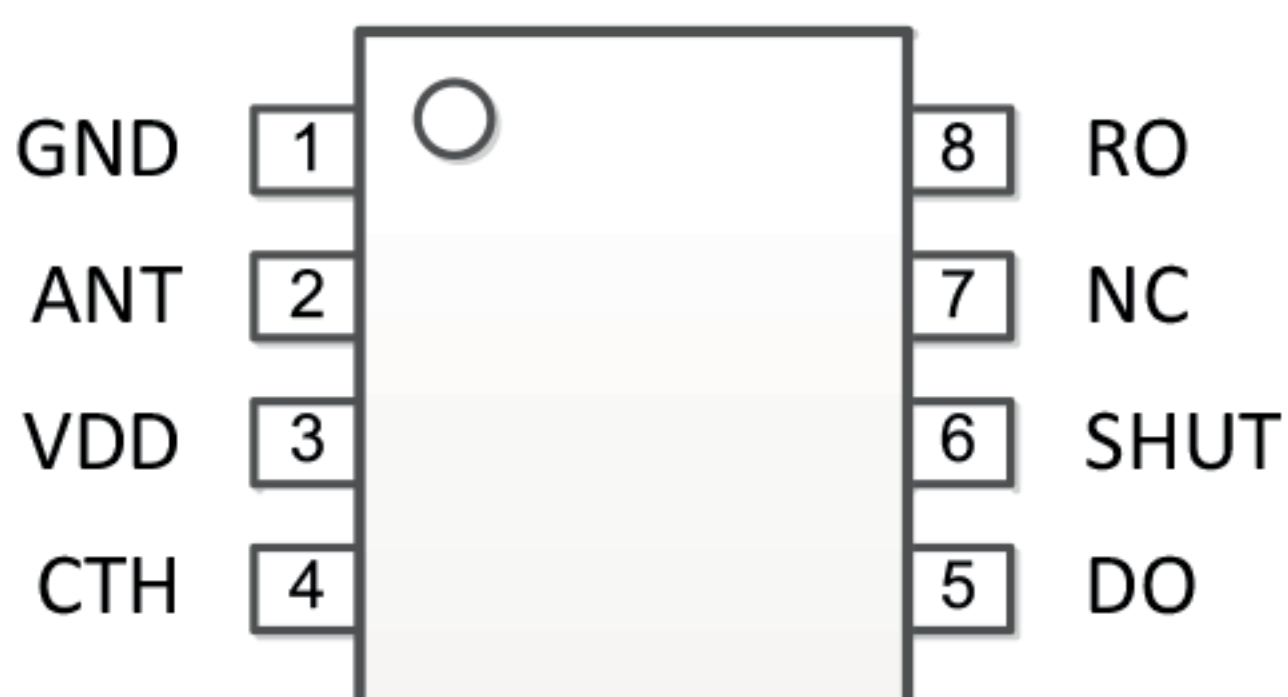
8-Pin SOP Package



315MHz 1.5kbps



433.92MHz 1.5kbps



1	GND	P	
2	ANT	I	RF
3	VDD	P	DC 2.0~5.5V
4	CTH	I	
5	DO	O	
6	SHUT	I	
7	NC	–	
8	REFOSC	I	

VDD			2.0	3.3	5.5	V
TA			-40		+125	℃
θ			1			mV/μs

VDD			-0.3		5.5	V
V _{IN}			-0.3		VDD+ 0.3	V
T _J			-40		150	℃
T _{STG}			-65		150	℃
T _{SDR}		30			255	℃
V _{HBM}	ESD [2]	(HBM)	-8		8	kV

VDD			2.0		5.5	V
f _{RF}		f _{RF} =4.8970MHz		315		MHz
		f _{RF} =6.7458MHz		433.92		MHz
DR					10	kbps
I _{OP}		f _{RF} =315MHz,VDD=3.3V		3.4		mA
		f _{RF} =315MHz,VDD=5V		3.47		mA
		f _{RF} =433.92MHz,VDD=3.3V		3.76		mA
		f _{RF} =433.92MHz,VDD=5V		3.87		mA
I _{STBY}		V _{SHUT} =VDD		0.01		µA
		f _{RF} = 315MHz / 2kbps		-113		dBm
		f _{RF} = 433.92MHz/ 2kbps		-113		dBm
BW		f _{RF} = 315MHz		350		kHz
		f _{RF} = 433.92MHz		350		kHz
f _{IF}				0.86		MHz
f _{BW}				0.43		MHz
		RSC = 50Ω		-20		dBm
	Spurious Reverse Isolation	ANT pin, R _{sc} = 50Ω		30		µVr/ms
Z _{REFOSC}	Reference Oscillator Input Impedance			290		kΩ
	Reference Oscillator Source Current			5.2		µA
f _T				6.7458 (433.92M)		MHz
Z _{CTH}	CTH Source Impedance			145		kΩ
I _{ZCTH(leak)}	CTH Leakage Current†			±100		nA
				4		ms
	SHUT			3		ms