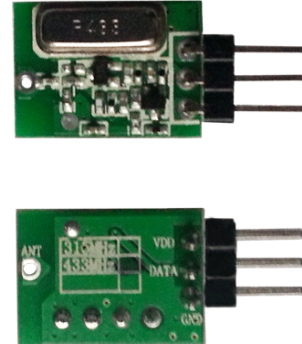


**DRA889TX**  
**LOW COST ASK TRANSMITTER MODULE**

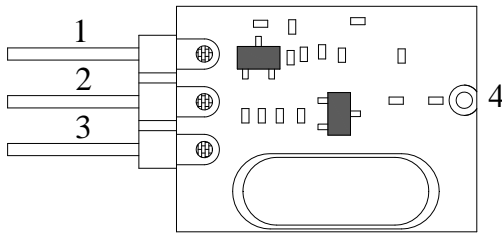
**V1.20**

**DESCRIPTION**

DRA889TX is a type of low cost ASK transmitter module which is designed with SAW resonator and high power PA for cost-efficient solutions. It can be used in wireless door opener, robot control, security alarm and related applications.



**PIN FUNCTIONS**



PIN	Name	Description
1	VDD	Power pin
2	DATA	Data input
3	GND	Ground(0V)
4	ANT	Antenna port

**DRA889TX Pin Functions**

**ELECTRICAL SPECIFICATIONS**

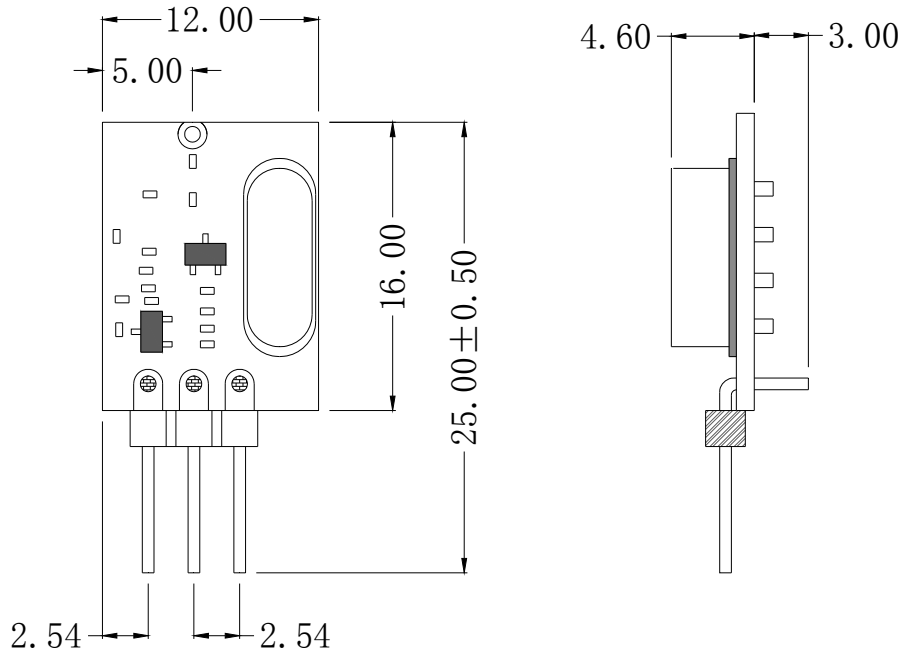
Symbol	Parameter (condition)	Min.	Typ.	Max.	Units
VDD	Supply Voltage	2.2	3.0	5.5	V
Freq	Frequency range		433.92		MHz
Pout	Output power. @ 3V @ 5V		11 16		dBm
DR_ASK	ASK data rate	0.3	4.8	9.6	kbps
Temp	Operating temperature range	-20	25	70	°C
IDD_T	Current in transmit mode. @ 3V		24		mA
IDD_S	Current in sleep mode		1		uA
ZANT	Antenna impedance		50		Ohm

**Table 2: DRA889TX Electrical Specifications**

**Please note that** when DRA889TX is supplied with higher voltage than 5.5V, the output power of it will also be increased but the distortion of wave will also be worse. Unless users are very sophisticated in ASK modulation and can pick out the effective data easily, we don't recommend users to use it in higher voltage.

**MECHANICAL DATA**

Unit:mm



**Figure 1: DRA889TX Mechanical Dimension**

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