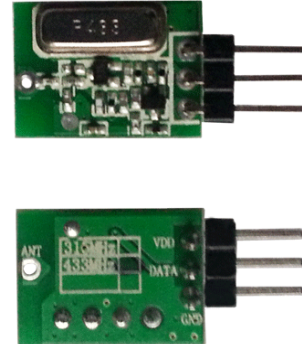


DRA889TX
HIGH POWER ASK TRANSMITTER MODULE

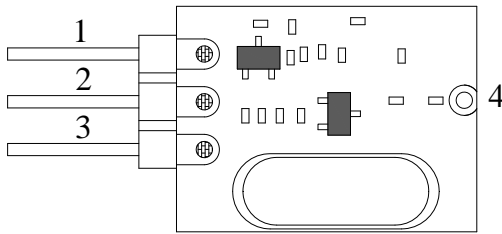
V1.11

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

Table 1: DRA889TX Pin Functions

ELECTRICAL SPECIFICATIONS

Symbol	Parameter (condition)	Min.	Typ.	Max.	Units
VDD	Supply Voltage	2.2	3.0	12	V
Freq	Frequency range		433.92		MHz
Pout	Output power. @ 3V @ 12V		12 27		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 @ 12V		24 150		mA
IDD_S	Current in sleep mode		1		uA
ZANT	Antenna impedance		50		Ohm

Table 2: DRA889TX Electrical Specifications

Please note that the output power is not only decided by the working voltage but also the logic level of Data pin. The Max. output power is measured in 12V working voltage and 12V logic high level. Under the same working voltage, lower logic high level means lower output power.

MECHANICAL DATA

Unit:mm

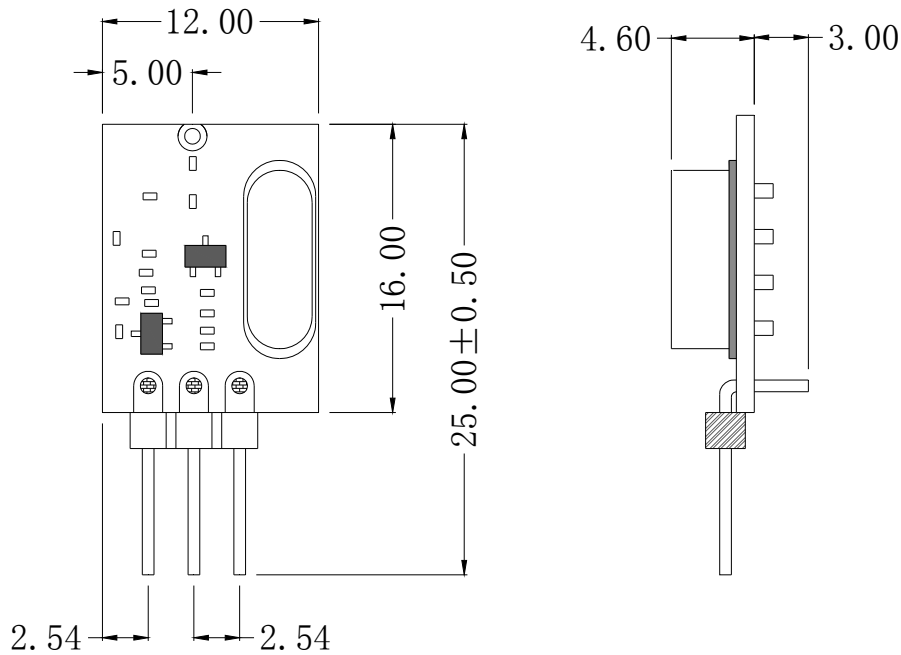


Figure 1: DRA889TX Mechanical Dimension

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