

TLP434A - RF ASK Hybrid Modules for Radio Control



TLP 434A - Ultra Small Transmitter

Frequency : 433.92MHz

Spec:

- Frequency Range: 433.92 MHz
- Modulate Mode: ASK
- Circuit Shape: S/F
- Data Rate: 8Kbps
- Supply Voltage: 3~ 12 V
- Voltage:3V; Current:4.9mA
- Voltage:5V; Current:8.4mA
- Power Supply and All Input / Output Pins: -0.3 to 12.0 V
- Non-Operating Case Temperature: -10 to +85 centigrade
- Soldering Temperature: 230 centigrade (10 Seconds)
- Simple To Apply with Low External Count
- High Sensitivity Passive Design.

Applications:

- Wireless security systems
- Car alarms
- Remote gate controls
- Remote sensing
- Date communication
- Remote water/electric switch
- Pager system
- PDA data communicated

Absolute Maximum Ratings:

Rating	Value	Unit
Power Supply and All Input/Output Pins	-0.3 to +12.0	V
Non-Operating Case Temperature	-20 to +85	centigrade
Soldering Temperature (10 seconds)	230	centigrade

Electrical Characteristics:(T=25centigrade,Vcc=3.6V, Freq=318MHz)

Parameter	Sym.	Min.	Typ.	Max.	Unit
Operating Frequency (200KHz)	Vcc		433.92		MHz
Data Rate	ASK			8K	Kbps
Transmitter Performance(OOK@2.4kbps)					
Peak Input Current,12 Vdc Supply	ITP			45	mA
Peak Output Power	PO		10		mW
Tum On/ Tum Off Time	T ON/T OFF			1	US
Power Supply Voltage Range	Vcc	3		12	VDC
Operating Ambient Temperature	TA	-20		+85	centigrade
Tx Antenna Out (3V) +2.4dB	Vcc				mA