

Description:

RT1221/RT1222 are remote control transmitter utilizing CMOS technology specially designed for infrared remote control applications. Maximum of 65536 customer codes are available by setting external diodes, resistors and internal MASK ROM. Using micro-processors for decoder can construct various powerful applications for remote control systems.

Features:

Pin Out:

CMOS technology

Operating voltage:1.8~3.5V

Low power consumption

455KHz ceramic resonator or crystal

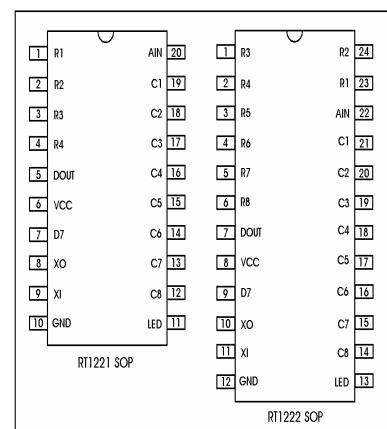
REM with 38KHz carrier for IR medium

65536 customer codes can be selected

Maximum active keys:

RT1221: 32 function keys and 3 double action keys

RT1222: 64 function keys and 3 double action keys



Absolute Maximum Rating:

(Temp = 25°C)

Symbol	Parameter	Conditions	Rating	UNIT
V_{CC}	Supply Voltage		6.0	V
V_{IN}	Input Voltage		-0.3 V_{CC}	V
P_d	Power Dissipation		250	mW
T_{STR}	Storage Temperature		-40 +125	°C
T_{OP}	Operating Temperature		-20 +70	°C

Electrical Characteristic

Symbol	Parameter	Conditions	Min.	Typ.	Max.	Unit
f_{OSC}	System Frequency	455k Ceramic resonator		455K		H _Z
V_{CC}	Supply Voltage	All Function Operations	1.8	3.0	3.5	V
I_{CC}	Operating Current	$f_{OSC} = 455kHz$ Without Load	-	200	400	UA
I_{STB}	Standby Current	f_{OSC} Stop	-	0.1	1	UA
$I_{OL(LED)}$	LED Sink Current	$V_O = 0.3V$	1.2	2.0	-	mA
$I_{OH(DOUT)}$	Dout Source Current	$V_O = 2.7V$	-2.0	-4.0	-	mA