

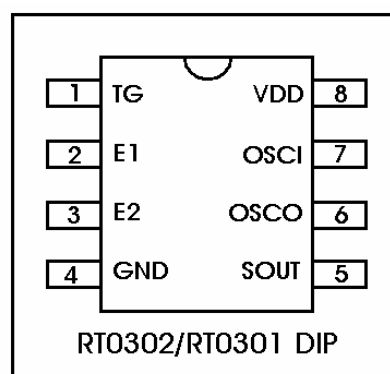
Description :

The RT0301/RT0302 is a CMOS Design for Door Bell application.

Features :

Low Operator Voltage 3V~4.5V
Auto Power down function
CMOS process
On-Chip RC oscillator
Low stand by current at 1uA
8-Pin DIP or chip form available

Pin Out :



Absolute Maximum Rating:

Symbol	Parameter	Condition	Rating	Unit
VDD	supply voltage		-0.3~ 6.0	V
VI	input voltage		(VSS-0.3) ~ (VDD+0.3)	V
VO	output voltage		(VSS-0.3) ~ (VDD+0.3)	V
Tst	storage Temp.		-50 ~ +125	
Top	operating Temp.		-20 ~ +70	
Pdis	Max. power dissipation	VDD = 3V	300	mW

Electrical Characteristics

V_{CC} = 3V , Temp = 25

Symbol	Parameter	Conditions	Min.	Typ.	Max.	Unit
V _{DD}	Operating Voltage		-	3	4.5	V
I _{OP}	Operating Current	No Load	-	0.1	0.5	mA
I _{sb}	Quiescent Current		-	1	5	uA
I _{oh}	SOUT Driving Current	@VDS = 1V	1	-	-	mA
F _{op}	Oscillator Freq	External ± 30% Rosc = 430K	1	50	-	KHz
Temp	Operating Freq.		-20	25	70	