

APPLICATIONS:

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Set Top Box

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PAL

VTDT5UXXX/ VTCT5UXXX PAL Tuner

FEATURES

- Receiving channels (hyper channels)
 - VHF low band 1A – S7 channel
 - VHF high band S8 – S37 channel
 - UHF S38 – C57 channel
- Sending channel
 - E21 – E69 channel
- PAL B/G receiving and sending system
- PLL tuning system (I²C) channel selection system
- Detection system
 - PLL synchronization detection system
 - Inter-carrier sound receiving system (PAL B/G mode)
- Nominal input impedance
 - RF In 75 Ω, unbalanced
 - Video In 1 KΩ, unbalanced
 - Audio In 10 KΩ MIN., unbalanced
- Output load impedance
 - RF Out 75 Ω, unbalanced
 - Video Out high impedance
 - Audio Out high impedance
- Intermediate frequencies
 - Picture carrier 38.9 MHz
 - Sound carrier 33.4 MHz

DESCRIPTION

This product brief describes two tuners. The VTDT5UXXX is a 3-in-1 PAL tuner with three functions in one package: TV tuner/Demodulator/RF modulator. The VTCT5UXXX is a 2-in-1 PAL tuner consisting of two functions in one package: TV tuner/Demodulator.

VTDT5UXXX PIN DESCRIPTION

PIN NO.	PIN NAME
1	BT
2	BB
3	SDA
4	SCL
5	Audio In
6	Video In
7	AGC
8	
9	ADRS
10	SCL
11	SDA
12	BM
13	BP
14	
15	BT
16	
17	IF Out
18	
19	
20	Audio Out
21	SIF Out
22	AFT Out
23	
24	Video Out
25	RF In
26	RF Out

VTCT5UXXX PIN DESCRIPTION

PIN NO.	PIN NAME
1	BT
2	BB
3	SDA
4	SCL
5	
6	
7	AGC
8	
9	ADRS
10	SCL
11	SDA
12	BM
13	BP
14	
15	BT
16	
17	IF Out
18	
19	
20	Audio Out
21	SIF Out
22	AFT Out
23	
24	Video Out
25	RF In
26	RF Out

BLOCK DIAGRAM

