

SATCR-1

FEATURES

- Wide input and wide output frequency ranges (950 MHz to 2150 MHz)
- Four programmable conversion gains
- Fully integrated synthesizer
- RF tone generator for installation loss calibration and for system signalling
- Programmable switch matrix control pins
- System noise figure: 5 dB (typ.)
- Single supply: 3.0 V
- Low power consumption: 90 mA (typ.)
- I²C bus control
- QFN36 package (6 x 6 mm)

APPLICATIONS

- DDBS low-noise block converters
- RF band translation switcher boxes
- Reuse of terrestrial cable for satellite signals
- Provides single-cable capability for:
 - DVR applications
 - multiple STBs/receivers
 - multi-switching for apartment blocks.

PART NUMBERING

Table 1. Order codes

Part Number	Description
SaTCR-1	Satellite channel router
SaTCR-1 Eval	Evaluation board

REVISION HISTORY

Table 2. Revision history

Date	Revision	Description of Changes
October 2004	2	Updated diagram, history added, color removed, CCS template applied.
May 2004	1	Initial release

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