



## ***SRT 4642***

- Embedded CONAX CAS7
- 4000 Programmable Channels
- DVB, MPEG-2 Compliant
- C/KU Band
- SCPC/MCPC Reception
- 2-45 Ms/s Symbol Rate
- Loop Through Tuner
- Autoscanner, Autoprogram
- PID Insertion
- Picture In Graphics
- 4Digit LED
- DiSEqC 1.2, USALS
- 64 Universal LNB Control
- RS-232C Service Port
- Upgradable Software
- Data Transfer Between Units
- Teletext
- Electronic Programme Guide (EPG)
- Parental & Receiver Locks
- Auto PowerBack On
- PAL Modulator
- 21-69 UHF PLL Modulator
- Auto Voltage (AC 90-250V) SMPS



**STRONG** *Technologies*

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# SRT 4642 SPECIFICATIONS

## IF SECTION

Input Frequency Range	: 950 - 2150 MHz	I.F. Bandwidth	: 36 MHz
Input Frequency Level	: -65 dBm - -25 dBm	Input Return Loss	: -8 dBm
Noise Figure	: 12 dB Max.	Tuning Step Size	: 125 KHz
Input Impedance	: 75 ohm	Demodulation	: Shaped QPSK
LO1 Phase Noise	: Offset Freq.   dBc/Hz	Symbol Rate	: 2-45 Mbauds
	Typ.   Max.	FEC Coding	: Concatenated Viterbi & Reed-Solomon
	1 KHz   -54   -48	Viterbi Rates	: k=7 Rate 1/2, 2/3, 3/4, 5/6, 7/8, AUTO
	10 KHz   -82   -73	Roll-off Factor	: 35%
	100 KHz   -105   -96		
	1 MHz   -120   -112		
Acquisition Frequency Uncertainty	: 3 MHz		
Eb No Performance, BER	: Exceeds DVB Recommendation for all FEC Rates		

## LNB SECTION

Connector	: F-Type - Loop-through	Band (Hi/Lo) Selection	: 22 KHz On/Off
Power	: 400 mA Max.	DiSEqC 1.2 Interface	: 64 Universal LNB Control
Polarization	: Horizontal : DC 16-19 V	USALS	
	Vertical : DC 11-14 V		

## SYSTEM RESOURCES

Processor	: 32 bit (80 MHz)	FLASH	: 2 Mbyte
SDRAM	: 8 Mbyte	EEPROM	: 32 Kbyte

## VIDEO SECTION

Decoding	: MPEG-2 & MPEG-1 Compatible	Line Time Distortion	: 5% Max.
Compression Technique	: Main Profile, Main level	Short Time Distortion	: 5% Max.
Format	: PAL, NTSC	Luminance Nonlinearity	: 5% Max.
Frame Rate	: 25 Hz, 30 Hz	Differential Gain	: 5% Max.
Aspect Ratio	: 4:3, 16:9	Differential Phase	: 5° Max.
Active Pixel	: 720 x 576, 720 x 480	S/N Unweighted	: 60 dB Min.
Output Impedance	: 75 ohm	C/L Intermodulation	: 5% Max.
Composite Output Level	: 1Vp-p±0.1Vp-p (75 ohm load)	Chrominance Nonlinearity	: 5% Max.
Bar Amplitude Error	: 10%	C/L Delay	: 75 nsec Max.
Field Time Distortion	: 5% Max.	Frequency Response	: 3 dB Max. (0.5-5.0 MHz)
		Data Rate	: Up to 15 Mb/s

## AUDIO SECTION

Compression Technique	: MPEG-1, 2 Layer 1 & 2
Sound Mode	: Dual (Main/Sub), Stereo
Sampling Frequency	: 32 KHz, 44.1 KHz, 48 KHz
Frequency Response	: 2.0 dB - 15 Hz to 20 KHz
Output Level	: 3.0 Vp-p Max.
Output Impedance	: 600 ohm
Total Harmonic Distortion	: 0.3% Max. at 1 KHz

## CONNECTORS SECTION

A/V Out	: RCA x 3	Aerial In	: IEC Female
RF Out	: IEC Male	Service Port	: RS-232C (115 Kbps Max.)

## MODULATOR SECTION

Output	: PAL G/I/K	CH	: 21-69 UHF (PLL Controlled)
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## POWER SUPPLY

AC 90-250 V, 50-60 Hz, 20 W Max.	Power Consumption	: 20 W Max. (Operating Mode)
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## DIMENSIONS

260 (W) x 240 (D) x 58 (H) mm

## WEIGHT

1.9 Kg.

E. & O. E.

## DISTRIBUTED BY:

