

# Product Information

## Super Compact DVB-S Tuner

Status as of: May 2007

Models RF-Only: BS2S7VZ0502 | BS2S7HZ0502

Model: BS2F7VZ7395 | BS2F7HZ7395



## [Sharp tuner with Super Compact housing for slim-line AV equipment]

### Latest DVB-S technology on the smallest of spaces

The housing of the new [Super Compact DVB-S tuner](#) is around a third smaller in volume compared to standard sized models. This, coupled with the model variations for horizontal or vertical integration, means that it is much easier to accommodate two or more tuner components in the housing chassis and to make the best use of the space available for slim-line AV equipment. In this way, televisions and PVRs, for example, can be equipped with an additional receiver part for satellite TV. Up until now, many appliances needed an external receiver for this.

Despite its new slimmed down form, the new [Super Compact DVB-S tuner](#) has excellent technical features, particularly in terms of receiver dynamics, interference immunity, input sensitivity and sideband noise. This is ensured by the receiver ICs which have been specially developed by Sharp and are based on many years of development know-how in the high-frequency range and special knowledge in HDTV reception.

The slim-line DVB-S tuners cover the typical frequency range between 950 and 2150 MHz for satellite TV transmission with standard resolution (SDTV). The model series of the [Super Compact DVB-S tuners](#) includes pure RF front-end reception parts with housing dimensions of 30.5 x 29.6 x 13.2 millimetres as well as so-called network-integrated modules (NIM) tuners. These are equipped with a QPSK demodulator type STV0288 from ST Microelectronics that supplies a digital 8-bit data stream for further signal processing. The housing of the DVB-S Super Compact NIM measures 59.1 x 29.6 x 13.2 millimetres.

Like all terrestrial, satellite and cable tuners from Sharp, the new [Super Compact DVB-S tuners](#) comply with the valid RoHS standards.

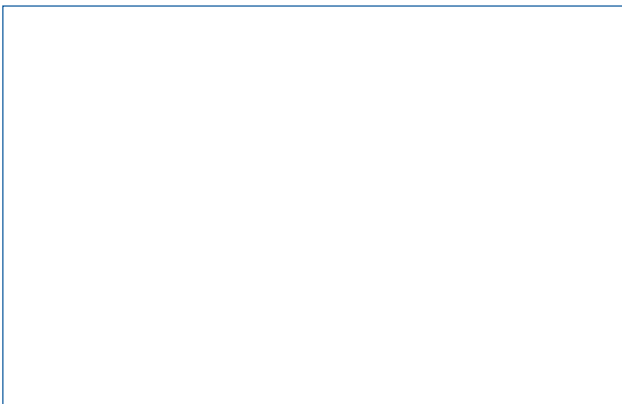
### Availability

The new [Super Compact DVB-S tuners](#) are available with immediate effect from the Sharp sales offices and distribution partners.

## [Characteristics Super Compact **DVB-S Tuner**]

Type: Super Compact	BS2S7VZ0502	BS2F7VZ7395	BS2S7HZ0502	BS2F7HZ7395
Dimensions (l x w x h)	30,5 x 29,6 x 13,2 mm	59,1 x 29,6 x 13,2 mm	30,5 x 29,6 x 13,2 mm	59,1 x 29,6 x 13,2 mm
Mounting	vertical	vertical	horizontal	horizontal
Demodulator	No (RF-Only)	STV0288 ST Microelectronics	No (RF-Only)	STV0288 ST Microelectronics
Input frequency	950 – 2450 MHz	950 – 2450 MHz	950 – 2450 MHz	950 – 2450 MHz
Phase noise (at 10kHz Offset, typ)	-78dBc/Hz	-78dBc/Hz	-78dBc/Hz	-78dBc/Hz
Noise Figure (typ)	8dB	8dB	8dB	8dB
Power consumption (typ)	380mW	425mW	380mW	425mW
Corresponding Tuner with Sharp standard housing	(BS2S7VZ1402)	(BS2F7VZ0295)	(BS2S7H Z1402)	(BS2F7HZ0295)

## [Additional **information**]



# SHARP

**Head Office** Sharp Microelectronics – a division of Sharp Electronics (Europe) GmbH  
 SonninstraÙe 3 | 20097 Hamburg | Germany | Tel.: +49-18 05-07 35 07 | Fax: +49-40-23 76 22 32 | [www.sharpsme.com](http://www.sharpsme.com)