

Product Information

Super Compact DVB-T Tuner

Status as of: May 2007

Models RF-Only: VA1H1ED5265 | VA1H1ED6265

Model: VA1K5ED5255 | VA1K5ED6255



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

Current DVB-T technology in compact housing

The housing of the new [Super Compact DVB-T 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.

From a technological perspective, the new [Super Compact DVB-T tuners](#) are similar to their slightly larger predecessor models. Correspondingly, the tuners cover the typical frequency range of between 147 and 862 MHz for terrestrial TV transmission and fulfil all current standards whilst offering a high technological and qualitative performance. The [Super Compact DVB-T tuner](#) model series from Sharp includes pure RF front-end reception parts with a housing measuring 47.75 x 29.6 x 13.2 millimetres as well as NIM models. These integrate the RF front end together with a COFDM demodulator with a type ZL10353 circuit from Zarlink Semiconductor Inc. that supplies a digital 8-bit data stream for further signal processing. The housing of the DVB-T Super Compact NIM measures 70 x 29.6 x 13.2 millimetres.

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

Availability

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

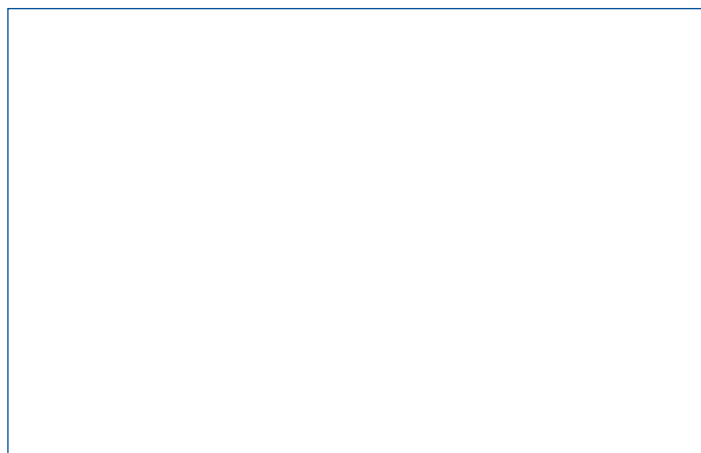
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[Characteristics Super Compact **DVB-T Tuner**]

Type: Super Compact	VA1H1ED5265	VA1K5ED5255	VA1H1ED6265	VA1K5ED6255
Dimensions (l x w x h)	47,75 x 29,6 x 13,2 mm	70 x 29,6 x 13,2 mm	47,75 x 29,6 x 13,2 mm	70 x 29,6 x 13,2 mm
Mounting	vertical	vertical	horizontal	horizontal
Demodulator	No (RF-Only)	ZL10353 Zarlink	No (RF-Only)	ZL10353 Zarlink
Input frequency	147 – 862 MHz	147 – 862 MHz	147 – 862 MHz	147 – 862 MHz
Phase noise (at 10kHz Offset, typ)	75dBc/Hz	75dBc/Hz	75dBc/Hz	75dBc/Hz
Noise Figure (typ)	6 dB/typ	6 dB/typ	6 dB/typ	6 dB/typ
Power consumption (typ)	0,85 W	1,17 W	0,85 W	1,17 W
Corresponding Tuner with Sharp standard housing	(VA1T1ED5065)	(VA1J5ED5064)	(VA1T1ED6065)	(VA1J5ED6064)

[Additional information]



[RF]

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