



| Pin No | Address           |
|--------|-------------------|
| 1      | AGC               |
| 2      | V <sub>S</sub>    |
| 6      | ADC               |
| 7      | V <sub>ST</sub>   |
| 8      | V <sub>SPLL</sub> |
| 9      | SCL               |
| 10     | SDA               |
| 11     | AS                |
| 12     | IF2 / GND         |
| 13     | IF1               |

➤ **Features**

- Members of the KS-H-90 family VHF/Hyperband/UHF tuners
- Systems CCIR: B/G, H, L/L', OIRT: D/K
- Off-air channels, S-cable channels and Hyperband
- Digitally controlled (PLL) tuning via I<sup>2</sup>C-bus
- Compact size
- Comply to "CENELEC EN55020" and "EN55013"

➤ **Application**

- For TV and VCR

➤ **Electrical data**

| Model No                    |              | KS-H-941 ES2               | KS-H-941 OS2  |
|-----------------------------|--------------|----------------------------|---------------|
| Receiving system            |              | CCIR B/G                   | OIRT D/K      |
| Channel selection system    |              | PLL (I <sup>2</sup> C bus) |               |
| RF input type               |              | IEC-14 Female              |               |
| Input frequency p.c., MHz   | VHF-L        | 48,25-168,25               | 48,25-168,25  |
|                             | VHF-H        | 175,25-463,25              | 175,25-463,25 |
|                             | UHF          | 471,25-855,25              | 471,25-855,25 |
| Input impedance, Ω          |              | 75                         |               |
| Input VSWR, max             |              | 4                          |               |
| IF output type              |              | Symmetrical                |               |
| Intermediate frequency, MHz | Picture      | 38,9                       | 38,0          |
|                             | Sound        | 33,4                       | 31,5          |
| Power supply, V/mA          |              | 12/85                      |               |
| Tuning voltage supply, V    |              | 33                         |               |
| AGC range (4-0,3V), dB, min | VHF-L, VHF-H | 40                         |               |
|                             | UHF          | 35                         |               |
| Voltage gain, dB, min       |              | 38                         |               |
| Noise figure, dB, max       | VHF-L, VHF-H | 12                         |               |
|                             | UHF          | 13                         |               |
| Image rejection, dB, min    | VHF-L        | 70                         |               |
|                             | VHF-H        | 65                         |               |
|                             | UHF          | 52                         |               |
| IF rejection, dB, min       |              | 60                         |               |