



| Pin No | Address |
|--------|---------|
| 1      | AGC     |
| 2      | VT      |
| 3      | AS      |
| 4      | SCL     |
| 5      | SDA     |
| 6      | n.c.    |
| 7      | VS      |
| 8      | M       |
| 9      | VST     |
| 10     | IF2     |
| 11     | IF1     |

➤ **Features**

- Member of the KS-H-130/140 family small sized VHF/Hyperband/UHF tuner
- Systems CCIR: B/G, H; OIRT: D/K
- Digitally controlled (PLL) tuning via I2C-bus
- Off-air channels, S-cable channels and Hyperband
- World standardized mechanical dimensions and world standard pinning
- Compact size
- Automatic bandswitching (UTS), independent of software
- Comply to “CENELEC EN55020” and “EN55013”

➤ **Application**

- For TV and VCR

➤ **Electrical data**

| Model No                    | KS-H-140 E                 | KS-H-140 EA   | KS-H-140 O  | KS-H-140 OA   |
|-----------------------------|----------------------------|---------------|-------------|---------------|
| 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                      | 48,25-140,25  |             | 49,75-143,25  |
|                             | VHF-H                      | 147,25-423,25 |             | 151,25-423,25 |
|                             | UHF                        | 431,25-855,25 |             | 431,25-855,25 |
| Input impedance, Ω          | 75                         |               |             |               |
| Input VSWR, max             | 4                          |               |             |               |
| IF output type              | Symmetrical                | Asymmetrical  | Symmetrical | Asymmetrical  |
| Intermediate frequency, MHz | Picture                    | 38,9          |             | 38,0          |
|                             | Sound                      | 33,4          |             | 31,5          |
| Power supply, V/mA          | 5/130                      |               |             |               |
| Tuning voltage supply, V    | 33                         |               |             |               |
| AGC range (4-0,3V), dB, min | VHF-L, VHF-H               | 45            |             |               |
|                             | UHF                        | 40            |             |               |
| Voltage gain, dB, min       | 40                         |               |             |               |
| Noise figure, dB, max       | VHF-L, VHF-H               | 9             |             |               |
|                             | UHF                        | 8             |             |               |
| Image rejection, dB, min    | VHF-L                      | 66            |             |               |
|                             | VHF-H                      | 60            |             |               |
|                             | UHF                        | 50            |             |               |
| IF rejection, dB, min       | 65                         |               |             |               |