

TK-3140 (K3) Specifications

1. General

Frequency Ranges	400 MHz to 430 MHz (FCC ID: ALH32263130)
Number of Channels	250 ch
Channel Spacing	25 kHz (Wide)/12.5 kHz (Narrow)
Types of Emission	16K0F3E (Wide) / 11K0F3E (Narrow)
Power Supply Voltage	7.5 V \pm 20% DC Nominal
Antenna Impedance	50 Ω
Operating Temperature	-30 °C to +60 °C
Dimension	W. 56 mm x D.37(29.5) mm x H. 106 mm

2. Receiver

Conversion Type	Double Conversion Superheterodyne
Intermediate Frequencies	1st 44.85 MHz (Lower) 2nd 455 kHz (Lower)
Sensitivity (12dB SINAD)	-117 dBm Minimum
Spurious and Images	65 dB Minimum
Intermodulation	66 dB Minimum (Wide) / 59dB Minimum (Narrow)
Adjacent Channel Rejection	70 dB Minimum (Wide) / 62dB Minimum (Narrow)
Hum and Noise	42 dB Minimum (Wide) / 37dB Minimum (Narrow)
Audio Output Power	500 mW Maximum (5% distortion / 16 Ω)
Frequency Stability	\pm 2.5 ppm
Current Consumption	75 mA Std-by 330 mA Operating

3. Transmitter

Output Power	4 W (High Power) 1 W (Low Power)
Maximum Deviation	\pm 5.0 kHz (Wide) / \pm 2.5 kHz (Narrow)
FM Hum and Noise	42 dB Minimum (Wide) / 37 dB Minimum (Narrow)
Audio Distortion	5 % Maximum
Mic Sensitivity	15 mV (Nominal)
Spurious and Harmonics Attenuation	65 dB minimum
Frequency Stability	\pm 2.5 ppm
Current Consumption	2.0 A Maximum at 4 W output