

Tenö®

FUTURE COMMUNICATOR

TN-727

Frequency Range 70-108MHz(FM Receive only)

136-174MHz

400-520MHz

Channel No. 128

Frequency Stability $\pm 2.5\text{ppm}$

Antenna High gain antenna

Antenna Impedance 50 Ω

Operating Voltage DC 7.2V

Mode of operation Simple or semi-duplex

Dimension (W x H x D) 110 x 58 x 32 mm

Weight 250g (including battery, antenna)

Transmitter

Output power $\geq 4\text{W(H)}$ $\geq 0.5\text{W(L)}$

Modulation Mode 16k Φ F3E / 11k Φ F3E

Maximum deviation $< 5\text{kHz(Wide)}$ / $< 2.5\text{kHz(Narrow)}$

Spurious Radiation $< 7\mu\text{W}$

Adjacent Ch. power $\leq -65\text{dB(Wide)}$ / $\leq -60\text{dB(Narrow)}$

Pre-emphasis characteristics 6dB

Current $\leq 1.6\text{A(5W)}$

CTCSS/DCS deviation 0.5 \pm 0.1kHz(Wide) / 0.3 \pm 0.1kHz(Narrow)

Intermediation sensitivity 8-12mv

Intermediation distortion $< 10\%$

Receiver

RF Sensitivity -122dbm(12db SINAD)

Audio power $\geq 0.5\text{W}$

Audio Distortion $\leq 10\%$

Intermediation $\leq -65\text{dB(Wide)}$ / $\leq -60\text{dB(Narrow)}$

Selectivity $\leq -65\text{dB(Wide)}$ / $\leq -60\text{dB(Narrow)}$

Spurious Rejection $\leq -65\text{dB}$

Blocking $\geq 85\text{dBuv/m}$

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