



PROFESSIONAL RANGE SYNTHESISED TRANSMITTERS SXT150/450/850

| | SXT150 | SXT450 | SXT850 |
|--|--|--|---------------|
| Frequency range | 125 - 180 MHz | 400 - 500 MHz | 868 - 870 MHz |
| Switching bandwidth | 3 MHz | 15-20 MHz | 2 MHz |
| Frequency stability | ±5.0ppm | ±2.5ppm | ±2.5ppm |
| Number of RF channels | up to 256 sequential - serial selected and programmed | | |
| | up to 80 inividual - serially selected and programmed | | |
| | up to 64 - parallel selected and serially programmed | | |
| Channel spacing | 12.5kHz / 20kHz / 25kHz available (SXT850 25kHz only) | | |
| Modulation type | F1D / F2D / F3D / F3E | | |
| Frequency response | 10Hz to 3kHz at -3dB (GMSK option available) | | |
| Spurious emission (conducted & radiated) | in accordance with ETS/CEPT specifications | | |
| Supply voltage | 7.2V DC nominal, (4.5V - 16V DC range) negative earth | | |
| Supply current | <400mA @ 4.5V for 500mW output (450mA for SXT850) reducing with higher supply voltages. | | |
| Interface connections | 'A' version | 8 + 12 way 1.27mm pitch molex plug (200mm unterminated mating leads supplied) | |
| | 'C' version | 21 way single in-line header | |
| RF connection | MMCX miniature co-ax socket (200mm unterminated mating lead supplied) | | |
| Operating temperature | -25°C to +55°C | | |
| Storage temperature | -30°C to +70°C | | |
| Size overall | 85.5 x 52.5 x 12.75 mm | | |
| Weight | 60g max | | |
| Type approval | complies with ETS 300 086; EN 300 220; EN 300 489 (EMC) | | |
| RF output power into 50Ω | SXT450/850 | 500 mW (+0/-1.5dB) high power; 5 mW low power | |
| | SXT150 | 500 mW (+0/-1.5 dB) high power; 10mW low power | |
| Tx / Rx switching time | <12 ms (supply present and with TXE line keyed) | | |
| Modulation point | analogue | 750mV peak-to-peak AC coupled | |
| | digital | +3 to12V square-wave DC coupled | |
| Deviation | 25kHz channel spacing | ±3kHz nom (±4.0kHz max) | |
| | 20kHz channel spacing | ±2.3kHz nom (±3.2kHz max) | |
| | 12.5kHz channel spacing | ±1.5kHz nom (±2.0kHz max) | |
| Adjacent channel power | <200nW | | |

Wood & Douglas maintain a policy of continuous product improvement and enhancement. As a consequence, the above specification may change without notice.