

# Maxon SL25PMR446 HANDPORTABLE

**maxon**



## **FEATURES**

- **Low Cost Communications**
- **Simple Operation**
- **Licence Free**
- **Scanning**
- **Rugged Construction**
- **PC Programmable CTCSS**
- **Moulded polycarbonate case**
- **Wide range of Accessories**

*The SL25-PMR446 is a cost effective solution for Licence Free communications.*

*Eight channels on the PMR446 band with PC programmable CTCSS and scanning make the unit very easy to use and there is a wide range of accessories available.*

*The design is both compact and stylish so the radio can be easily carried by everyone.*

*The high capacity rechargeable battery pack ensures continued performance throughout today's working environment and the rugged construction of the SL25-PMR446 makes it a powerful tool for any requirement.*

*The SL25-PMR446 is part of the SL55 family and is established for its quality and performance.*

## GENERAL

### Performance Specifications

CE0168

Band	R&TTE Directive 1999/5/EC UHF Pre-Programmed on PMR446 Channels 446.00625 MHz 446.01875 MHz 446.03125 MHz 446.04375 MHz 446.05625 MHz 446.06875 MHz 446.08125 MHz 446.09375MHz
Number of Channels	8
Channel Spacing	12.5kHz
Operation	Simplex
Antenna Impedance	50 Ohm, Stud
Tone Sets	CTCSS/DCS encode/decode
Power Supply	7.5V dc nominal
Current Consumption	TX: <500mA @ 500mW ERP RF output RX: <40mA Standby (muted) with battery save ON <80mA Standby (muted) with battery save OFF <250mA Unmuted with 100% AF power
Battery Life	>12 hrs with standard battery and power save ON
Weight	425g with standard battery
Physical Dimensions	142(H) x 57(W) x 39(D)

## TRANSMITTER

RF Output Power	500mW ERP Fixed
Spurious and Harmonics (conducted):	9KHz-1GHz: Better than -36dBm 1GHz- 4GHz: Better than -30dBm
Modulation	G3E (PM)
Hum and noise (residual modulation):	12.5KHz: Better than 40dB (with PSOPH)
Microphone sensitivity	20mV +/- 15mV p-p @1KHz peak system deviation
Transmitter Audio distortion	<5% nominal <10% extreme (@ 1KHz, without CTCSS)
Load Stability	No oscillation at 10:1 VSWR No damage at 20:1 VSWR
Adjacent Channel Power:	12.5KHz: Better than 60dB
Frequency error:	Better than 0.75KHz

## RECIEVER

Receiver Sensitivity	Better than -117dBm
Adjacent channel selectivity:	Better than 60dB
Spurious response rejection:	Half IF response: Better than 70dB
Intermodulation response rejection:	+/- 25/50KHz: 65dB +/- 50/100KHz: 65dB
RX Spurious Emissions (conducted):	9KHz - 1GHz: Better than -57dBm 1GHz - 4GHz: Better than -47dBm
Audio Power Output:	600mW max (4 Ohm internal speaker) <10% THD
Interface Connector:	Twin 2.5mm and 3.5mm plug

## ENVIRONMENTAL

Operating Temperature Range	-15 to +35 deg C (nominal) -30 to +60 deg C (extreme)
Robustness:	Designed to Mil Std 810 C procedures I, II & V, D & E
Protection against ingress of dust and water:	Designed to IEC 529 IP54
EMC	EMC Directive 89/336/EEC May 89
Humidity	EIA/TIA 603 (95%)

Figures above are typical and measured under normal operating conditions. As such they will not form part of any contract. Our policy is one of continuous improvement and we reserve the right to change product specifications without notice.

**Maxon Europe Ltd.,** Maxon House, Maxted Close,  
Hemel Hempstead, Hertfordshire, HP2 7EG. United Kingdom

Tel: Int +44 (0) 1442 267777  
Fax: Int +44 (0) 1442 215515  
E-mail: sales@maxon.co.uk

Website: www.maxon.co.uk