



Engineering Specifications

PMMN4099B IP68 RSM,3.5MM Audio Jack, UL (FOR REFERENCE ONLY)

Acoustics

Microphone Type:	Omni directional
Mic Output Impedance:	2.2kOhm at 1kHz
Sensitivity:	-44dBV +/-3dBV/Pa, at 1 kHz, 94dB SPL source, at mouth reference point
Distortion (THD):	<3 %(TX) at 1 kHz
Speaker Diameter:	45mm
Output Power:	2W Nominal
Output Level:	100+/-3dB SPL, 300-3KHz (2W Nominal @ 30cm from RSM)
Frequency Response:	300Hz – 3000Hz
Distortion (THD):	15 % max at (300 - 1.5KHz at 2W 30cm) 25% max at (2KHz - 3KHz at 2W 30cm)
Earpiece Type:	3.5mm Audio Jack MDRLN4941, MDRLN4885, WADN4190 PMLN4620 (not offered for TETRA MTP6000 series radio) PMLN7396, PMLN7560 (non-UL kit)
Maximum Output Level:	118dB(A) SPL
Acoustic Feedback Distance:	35 feet typical, outdoors

RSM Body Specifications

Dimensions:	60mm (W) x 78mm (H) x 28mm (D) (without clip)
Weight:	220 Grams
Case Material:	LEXAN EXL1414 Polycarbonate

Controls

Push to talk (PTT):	Side paddle mechanism activated via tact switch
Emergency:	Orange Button
Side Button:	Programmable Option Side Button
Toggle Switch:	Speaker High and Low Volume

Power

Power Source:	Radio Battery
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Cable

Flex Life:	50,000 Cycles (min)
Pull Strength:	40 Lbs, Minimum Tensile, In-Line
Accessory Connector Case:	Polycarbonate Black



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Environmental Specifications

Operating Temperature:	-30°C to +60°C
Storage Temperature:	-57°C to +85°C
Thermal shock:	-57°C to +80°C
Humidity:	90% - 95% Relative Humidity at +50°C for 8 hours
Rain:	MIL810F Method 506.4
Salt/Fog:	MIL810F Method 509.4 Procedure 1
Dust:	MIL810F Method 510.4 Procedure 1
Vibration:	MIL810F Method 514.5 Procedure 1 Category 24
Mechanical Shock:	MIL810F Method 516.5 Procedure 1
Impact (grill):	1.25" diameter steel ball drop. Initial drop height is 30cm, then increase drop height by 10cm for at least 8 times @ 100cm
Drop Height:	4-feet
IP Rating:	IP68

Regulatory

EMC, RTTE
UL (Div 1: Class I (Group C, D), Class II (Group E, F, G), Class III and
Div 2, Class I (Group A, B, C, D), Class II (Group F, G) & Class III)