



# PMLN6766A - Tactical Boomless Temple Transducer

## MTP6000 Series MTP850 S

Engineering Specifications (Reference only)

### Acoustics

Microphone	Type	Electret Condenser.
	Sensitivity:	-21dB +/-4.5dB at 1KHz (0dB=1V/0.1G).
	Frequency Range:	200 Hz ~ 3 kHz.
Speaker	Distortion (THD):	< 3%, 300 Hz – 3 kHz, vibration acceleration 0.1G.
	Type	Bone Vibration Magnetic.
	Output Level:	97dB +/- 4.5dB at 1KHz (0dB=1uN/1mW).
	Frequency Range:	300 Hz ~ 3 kHz.
	Distortion (THD):	< 20%, 300 Hz – 3 kHz, at rated audio, < 5%, at 1 kHz with rated audio.

### Power

Power Source	Radio Battery.
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### Cable

Flex Life	35,000 cycles min. (Connector SR: 113 gram, ±90°)
Cable Pull	30lbf, Minimum Tensile for 1 minute.

### Environmental Specifications

Operating Temperature	-30°C to +60°C
Storage Temperature	-55°C to +85°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
Drop Shock	4ft Drop
ESD	IEC / EN 61000-4-2
IP Rating	IP54

### Regulatory

EME	No radio degradation.
EMC / R&TTE (CE)	No radio degradation.