

## SPECIFICATIONS

### Mechanical Characteristics

Approximate Weight:	8.0 oz
Operating Temp. Range:	-22 to +146°F (-30 to +60°C)
Cable:	36 inches extended
Cable Pull:	40 lb
PTT Operations:	500,000 nominal
Clothing Clip:	Rotates 360° with positive detents every 45°

### Electrical Characteristics (Microphone)

Typical Sensitivity:	-64 dBV
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### Electrical Characteristics (Speaker)

Power Handling:	1.0 Watt
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## RUGGEDIZED IMMERSION RATED SPEAKER MICROPHONE

The large snap-action PTT button of this mic accommodates fire gloves and protective gear. The removable front grill with replaceable debris screen and the washable speaker cavity allow users to clean away debris. The microphone meets MIL-STD-810E, is fully sealed per the IP68 standard (submersed in 1 meter of water for 31 minutes), and is designed to withstand prolonged exposure to water and temperature extremes. Additional features include a rubber PTT button, emergency button, watertight accessory connector, and a clothing clip that rotates a full 360 degrees. The mic is immersion rated to 1 meter, pressure wash rated, intrinsically safe, and includes a cable connector that can withstand up to 40 lb. This mic is ideal for police, fire, SWAT, EMT, maritime law enforcement, high-end industrial, construction, and military applications.

### ANTENNA WITH MINI-COIL CORD

*Includes Coiled Cable and Antenna Port (Order antenna separately).  
<Intrinsically Safe>*

P7100<sup>IP</sup> .....HTAE7K

### ANTENNA WITH STRAIGHT CORD

*Includes Straight Cable and Antenna Port (Order antenna separately).  
<Intrinsically Safe>*

P7100<sup>IP</sup> .....HTAE7J

### COILED CORD WITHOUT ANTENNA

*Includes Coiled Cable. <Intrinsically Safe>*

P-801 and P-800 .....MC102823V10

*(Does not include accessory connector discussed above.)*

P7100<sup>IP</sup> .....HTAE7H

Jaguar 700Pi and 700P .....HAAE7H

LPE-200 .....H9AE7P

M-RK and Aegis M-RK .....PKAE7W

## Vehicular Charger Compatible

The specially designed UDC on these mics allows insertion into a vehicular charger for battery charging only. For use with "Dual Position" vehicular chargers only.

P7200 .....MAHT-NMC9A

P7100<sup>IP</sup> .....MAHT-NMC9A

# SPEAKER MICS



## IMMERSION RATED SPEAKER MICROPHONE

The immersion rated speaker microphone is designed to withstand prolonged exposure to water and temperature extremes. The microphone has a two-position volume control setting and rubber PTT. This speaker mic is not available with an emergency button. The heavy duty, watertight casing is fully sealed per the IP68 standard (submersed in 1 meter of water for 31 minutes). A clothing clip that rotates a full 360 degrees ensures 100% accessibility. An optional coiled cable connector can extend up to 36 inches. The mic's design and construction meet MIL-STD-810E specifications.

### ANTENNA WITH MINI-COIL CORD

*Includes Coiled Cable and Antenna Port  
(Order antenna separately). <Intrinsically Safe>*

P7100 <sup>IP</sup> .....	HTAE7E
Jaguar 700Pi and 700P .....	HAAE7E
LPE-200.....	H9AE7N
M-RK and Aegis M-RK .....	PKAE7V

### ANTENNA WITH STRAIGHT CORD

*Includes Straight Cable and Antenna Port  
(Order antenna separately). <Intrinsically Safe>*

P7100 <sup>IP</sup> .....	HTAE7D
Jaguar 700Pi and 700P .....	HAAE7D
LPE-200 .....	H9AE7M
M-RK and Aegis M-RK .....	PKAE7U

### COILED CORD WITHOUT ANTENNA

*Includes Coiled Cable. <Intrinsically Safe>*

P7100 <sup>IP</sup> .....	HTAE7C
Jaguar 700Pi and 700P .....	HAAE7C
LPE-200 .....	H9AE7L
M-RK and Aegis M-RK.....	PKAE7T

## SPECIFICATIONS

### Mechanical Characteristics

Approximate Weight:	7.5 oz
Operating Temp. Range:	-22 to +146°F (-30 to +60°C)
Cable:	38-inch extended coil cord, shielded
Cable Pull:	40 lb
Cable Flex:	25,000 cycles
PTT Operations:	1 million nominal
Clothing Clip:	Rotates 360° with positive detents every 45°

### Electrical Characteristics (Microphone)

Type:	Electret Condenser
Typical Sensitivity:	-62 dBV
Frequency Range:	300 to 3000 Hz

### Electrical Characteristics (Speaker)

Type:	50 mm dynamic
Sound Pressure Level:	95 dB minimum
Frequency Range:	300 to 3000 Hz
Impedance:	Matched to Radio
Power Handling:	1.0 Watt

## SPECIFICATIONS

### Mechanical Characteristics

Dimensions (H x W x D):	3.19 x 2.44 x 1.14 in. (81 x 62 x 29 mm)
Approximate Weight:	6.0 oz (170g)
Operating Temperature Range:	-22 to +140°F (-30 to +60°C)
Cable:	32 inches in the coiled position

### Electrical Characteristics (Microphone)

Typical Sensitivity:	-65 dB ± 4.0 dB at 1 kHz
Impedance:	2k ohm

### Electrical Characteristics (Speaker)

Power Handling:	1.5 Watts
Impedance:	16 ohm



## OPENSKY® SPEAKER MICROPHONE

The OpenSky P-801 and P-800 speaker microphone includes an emergency button and a PTT button. This speaker mic with its noise canceling capability is ideal for high noise level environments. A clothing clip that rotates a full 360 degrees provides complete accessibility. The microphone attaches to the portable via a 14-pin universal connector. The design and construction of the speaker microphone meet MIL-STD-810E specifications.

### OPENSKY SPEAKER MICROPHONE

*Includes Coiled Cable and PTT*

P-801 and P-800 .....MAHROS0002

### EARPHONE

*Includes Cable and connector. For use with OpenSky speaker mic above only.*

P-801 and P-800 .....MAHROS0004

# SPEAKER MICS



## STANDARD SPEAKER MICROPHONE

The standard speaker microphone includes a two-position volume control setting, emergency button, earphone jack, and a rubber PTT. A clothing clip that rotates a full 360 degrees provides complete accessibility. The design and construction meet MIL-STD-810E specifications.

### ANTENNA WITH MINI-COIL CORD

*Includes Coiled Cable and Antenna Port  
(Order antenna separately). <Intrinsically Safe>*

P7100 <sup>P</sup> .....	OT-V2-10120
Jaguar 700Pi and 700P .....	OT-V2-10120
LPE-200 .....	OT-V2-10098
M-RK and Aegis M-RK .....	OT-V2-10097
PANTHER 405P and 605P .....	GPAE9A

### ANTENNA WITH STRAIGHT CORD

*Includes Straight Cable and Antenna Port  
(Order antenna separately).*

P7200 .....	MAPT-AE7B
P7100 <sup>P</sup> <Intrinsically Safe> .....	HTAE7B
P5100 <Intrinsically Safe> .....	MAHM-AE7B
Jaguar 700Pi and 700P <Intrinsically Safe> .....	HAAE7B
LPE-200 <Intrinsically Safe> .....	H9AE5F
M-RK and Aegis M-RK <Intrinsically Safe> .....	PKAE3Y

### COILED CORD WITHOUT ANTENNA

*Includes Coiled Cable.*

P7200 .....	MAPT-AE7A
P-801 and P-800 .....	MC102823V1
P7100 <sup>P</sup> <Intrinsically Safe> .....	HTAE7A
P5100 .....	MAHM-AE7A
Jaguar 700Pi and 700P <Intrinsically Safe> .....	HAAE7A
Jaguar 700Pi and 700P .....	HAAE5H
LPE-200 <Intrinsically Safe> .....	H9AE5E
M-RK and Aegis M-RK <Intrinsically Safe> .....	PKAE3W
EDACS 300P <Intrinsically Safe> .....	KDAE5T
PANTHER 405P and 605P <Intrinsically Safe> .....	GPAE7Z

## SPECIFICATIONS

### Mechanical Characteristics

Approximate Weight:	7.5 oz
Operating Temp. Range:	-22 to +146°F (-30 to +60°C)
Cable:	38-inch extended coil cord, shielded
Cable Pull:	40 lb
Cable Flex:	25,000 cycles
PTT Operations:	1 million nominal
Clothing Clip:	Rotates 360° with positive detents every 45°

### Electrical Characteristics (Microphone)

Type:	Electret Condenser
Typical Sensitivity:	-62 dBV
Frequency Range:	300 to 3000 Hz

### Electrical Characteristics (Speaker)

Type:	40 mm dynamic
Sound Pressure Level:	95 dB minimum
Frequency Range:	300 to 3000 Hz
Impedance:	Matched to Radio
Power Handling:	1.0 Watt

## SPECIFICATIONS

### Mechanical Characteristics

Approximate Weight:	7.5 oz
Operating Temp. Range:	-22 to +146°F (-30 to +60°C)
Cable:	38-inch extended coil cord, shielded
Cable Pull:	40 lb
Cable Flex:	25,000 cycles
PTT Operations:	1 million nominal
Clothing Clip:	Rotates 360° with positive detents every 45°

### Electrical Characteristics (Microphone)

Type:	Electret Condenser
Typical Sensitivity:	-62 dBV
Frequency Range:	300 to 3000 Hz

### Electrical Characteristics (Speaker)

Type:	40 mm dynamic
Sound Pressure Level:	95 dB minimum
Frequency Range:	300 to 3000 Hz
Impedance:	Matched to Radio
Power Handling:	1.0 Watt



**VEHICULAR  
CHARGER  
COMPATIBLE  
STANDARD  
SPEAKER  
MICROPHONE**

This speaker microphone includes a two-position volume control setting, emergency button, earphone jack, and a rubber PTT. The specially designed UDC on these mics allows insertion into a vehicular charger for battery charging only. A clothing clip that rotates a full 360 degrees provides complete accessibility. The design and construction meet MIL-STD-810E specifications.

### **Vehicular Charger Compatible**

For use with "Dual Position" vehicular chargers only.

#### **ANTENNA WITH STRAIGHT CORD**

*Includes straight cable and antenna port (order antenna separately) <Intrinsically Safe>*

P7100 <sup>IP</sup> .....	HTAE7G
Jaguar 700Pi and 700P .....	HAAE7G

#### **COILED CORD WITHOUT ANTENNA**

*Includes coiled cable <Intrinsically Safe>*

P7100 <sup>IP</sup> .....	HTAE7F
P5100 .....	MAHM-AE7F
Jaguar 700Pi and 700P .....	HAAE7F

# SPEAKER MICS



## EDACS 300P SPEAKER MICROPHONE

The EDACS 300P speaker microphone includes a rubber PTT, an earphone jack, and a clothing clip that rotates a full

360 degrees to provide complete accessibility. The design and construction meet MIL-STD-810E specifications. The mic is sized to fit comfortably in the palm of the user's hand.

### EDACS 300P SPEAKER MIC

*Includes Coiled Cable and PTT Button. <Intrinsically Safe>*

EDACS 300P .....KDAE5S



## OPTIONAL EARPHONE FOR SPEAKER MICS

This optional earphone provides greater privacy by

allowing only the user to hear the messages being communicated. It is for use with all speaker microphones that have earphone jacks. *Not for use with ruggedized immersion mics.*

## Speaker Mic Accessories

### EARPHONE

*Includes Cable and Connector. For use with Speaker Mics that have earphone jack. <Intrinsically Safe>*

P7200 .....	MAPT-AE3Z
P7100 <sup>IP</sup> .....	HTAE3Z
P5100 .....	MAHM-AE3Z
Jaguar 700Pi and 700P .....	HAAE3Z
LPE-200 .....	H9AE3Z
M-RK and Aegis M-RK .....	PKAE3Z
EDACS 300P .....	KDAE3Z
PANTHER 405P and 605P .....	GPAE3Z

## SPECIFICATIONS

### EDACS 300P SPEAKER MICROPHONE

#### Mechanical Characteristics

Approximate Weight:	5.5 oz
Operating Temp. Range:	-4 to +146°F (-20 to +60°C)
Cable:	38-inch extended coil cord, shielded
Cable Pull:	40 lb
Cable Flex:	25,000 cycles
PTT Operations:	1 million nominal
Clothing Clip:	Rotates 360° with positive detents every 45°

#### Electrical Characteristics (Microphone)

Type:	Electret Condenser
Typical Sensitivity:	-62 dBV
Frequency Range:	300 to 3000 Hz

#### Electrical Characteristics (Speaker)

Type:	40 mm dynamic
Sound Pressure Level:	95 dB minimum
Frequency Range:	300 to 3000 Hz
Impedance:	Matched to Radio
Power Handling:	1.0 Watt

### OPTIONAL EARPHONE FOR SPEAKER MICS

#### Mechanical Characteristics

Operating Temp. Range:	-22 to +146°F (-30 to +60°C)
Cable Pull:	10 lb minimum

#### Earphone Specifications

Impedance:	2.K ohm ± 20% @ 1kHz
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## SPECIFICATIONS

### Mechanical Characteristics

Approximate Weight:	7.5 oz
Operating Temp. Range:	-4 to +146°F (-20 to +60°C)
Cable:	38-inch extended coil cord, shielded
Cable Pull:	40 lb
Cable Flex:	25,000 cycles
PTT Operations:	1 million nominal
Clothing Clip:	Rotates 360° with positive detents every 45°

### Electrical Characteristics (Microphone)

Type:	Electret Condenser
Typical Sensitivity:	-62 dBV
Frequency Range:	300 to 3000 Hz

### Electrical Characteristics (Speaker)

Type:	40 mm dynamic
Sound Pressure Level:	95 dB minimum
Frequency Range:	300 to 3000 Hz
Impedance:	Matched to Radio
Power Handling:	1.0 Watt



## INDUSTRIAL & INDUSTRIAL PLUS SPEAKER MICROPHONES

These speaker microphones are designed for the special conditions of industrial environments. They have limited points of entry to deter blowing material and covered speakers to prevent metal particles from reaching and adhering to the speakers. In addition, the speaker microphones include a rubber PTT, coiled cable connector, swivel clip, and a quick disconnect latch. The Industrial Plus microphone has a urethane membrane over the speaker for increased water resistance. The design and construction of the speaker microphones meet MIL-STD-8 10E specifications.

Note: To limit foreign material entry, these microphones have no earphone jack.

### INDUSTRIAL PLUS MIC

*Includes Urethane Membrane Over Speaker, Rubber PTT Button, and limited points of entry for blowing material found in most industrial environments. (No emergency button or earphone jack)*

P7200.....	OT-V2-10122
P7100 <sup>P</sup> .....	OT-V2-10122
P5100.....	OT-V2-10122
Jaguar 700Pi and 700P .....	OT-V2-10122
LPE-200 .....	OT-V2-10075
M-RK and Aegis M-RK .....	OT-V2-10084

### INDUSTRIAL MIC

*Includes Rubber PTT Button and limited points of entry for blowing material found in most industrial environments. (No emergency button or earphone jack)*

P7200.....	OT-V2-10121
P7100 <sup>P</sup> .....	OT-V2-10121
P5100.....	OT-V2-10121
Jaguar 700Pi and 700P .....	OT-V2-10121
LPE-200 .....	OT-V2-10066
M-RK and Aegis M-RK .....	OT-V2-10061