

PROLINE

pulz[®]

MICROPHONES

THS213 Omni-Directional Headworn Microphone



FEATURES

- Omni-directional microphone
- Smooth frequency response over wide audio frequency range.
- Good quality built.
- High Signal to noise ratio
- Clean and accurate sound reproduction
- Light weight
- Microphone position adjustable
- Microphone side easily interchangeable

SPECIFICATIONS:

Polar Pattern:	Omni-Directional
Frequency Response:	20~20kHz (Omni)
Impedance:	1,500 Ω \pm 30% (at 1kHz) (Omni)
Sensitivity:	-67 \pm 3 dB (0 dB = 1 V/microbar) (Omni)
S/N Ratio:	55 dB (Omni)
SPL:	110 dB (Omni)
Operating Voltage:	1~10 V DC (RL : 2K2 Ω)
Colour:	Black - Brown
Connector:	TA3F - TA4F – Mini Jack -3pin Lemo - Φ 3.5 Plug
Dimensions:	
Capsule Housing:	Φ 4 X 11 mm (Omni)
Boom:	Φ 1 x 150 mm (Omni)
Wire:	Φ 1.5 mm X 1.2 meter
Accessory:	Windscreen - Clip

THS213-O is a head worn microphone with a omni-directional pattern characteristics. THS213-O produces a linear frequency response over a wide audio band frequency range. Its lighweight construction and comfortable wearing makes it a great choice for applications such as Lecturers, TV hosts, Live performers, singers, etc. Its adjustable mechanism helps position the microphone correctly to achieve maximum performance. Windscreen is provided along with the microphone to minimize the pickup of unwanted sounds due to air movement around the capsule. With additional accessories this micrphone can be connected to Shure, AKG, Sennheiser or a 3.5mm jack wireless transmitters.

THS213 Uni-Directional Headworn Microphone



FEATURES

- Unidirectional microphone
- Cardioid pattern
- Wide audio frequency range.
- Good quality built.
- High Signal to noise ratio
- Clean and accurate sound reproduction
- Light weight
- Microphone position adjustable
- Microphone side easily interchangeable

SPECIFICATIONS:

Polar Pattern:	Uni- Directional
Frequency Response:	70~16kHz (Uni)
Impedance:	1,200 Ω \pm 30% (at 1kHz) (Uni)
Sensitivity:	-68 \pm 3 dB (0 dB = 1 V/microbar) (Uni)
S/N Ratio:	55 dB (Uni)
SPL:	100 dB (Uni)
Operating Voltage:	1~10 V DC (RL : 2K2 Ω)
Colour:	Skin - Black - Brown
Connector:	TA3F - TA4F – Mini Jack -3pin Lemo - Φ 3.5 Plug
Dimensions:	
Capsule Housing:	Φ 5 X 6 mm (Uni)
Boom:	Φ 1 X 190 mm (Uni)
Wire:	Φ 1.5 mm X 1.2 meter
Accessory:	Windscreen - Clip

THS213-U is a head worn microphone with a omnidirectional pattern characteristics. THS213-U produces a smooth frequency response over a wide audio band frequency range. Its lighweight construction and comfortable wearing makes it a great choice for applications such as Lecturers, TV hosts, Live performers, singers, etc. Its adjustable mechanism helps position the microphone correctly to achieve maximum performance. Windscreen is provided along with the microphone to minimize the pickup of unwanted sounds due to air movement around the capsule. With additional accessories this micrphone can be connected to Shure, AKG, Sennheiser or a 3.5mm jack wireless transmitters.

THS215 Omni-Directional Headworn Microphone



FEATURES

- Omnidirectional microphone
- Smooth frequency response over wide audio frequency range.
- Good quality built.
- High Signal to noise ratio
- Clean and accurate sound reproduction
- Light weight
- Foldable ear hangers
- Microphone position adjustable
- Microphone side easily interchangeable

THS215-O is a head worn microphone with a omnidirectional pattern characteristics. THS215-O produces a linear frequency response over a wide audio band frequency range. Its lightweight construction and comfortable wearing makes it a great choice for applications such as Lecturers, TV hosts, Live performers, singers, etc. Its adjustable mechanism helps position the microphone correctly to achieve maximum performance. Windscreen is provided along with the microphone to minimize the pickup of unwanted sounds due to air movement around the capsule. With additional accessories this microphone can be connected to Shure, AKG, Sennheiser or a 3.5mm jack wireless transmitters.

SPECIFICATIONS:

Polar Pattern:	Omni-Directional
Frequency Response:	20~20kHz (Omni)
Impedance:	1,500 Ω ± 30% (at 1kHz) (Omni)
Sensitivity:	-67±3 dB (0 dB = 1 V/microbar) (Omni)
Operating Voltage:	1~10 V DC (RL : 2K2 Ω)
Colour:	Skin - Black - Brown
Connector:	TA3F - TA4F – Mini Jack -3pin Lemo - Φ3.5 Plug
Dimensions:	
Capsule Housing:	Φ4 X 11 mm (Omni)
Boom:	Φ1 x 150 mm (Omni)
Wire:	Φ1.5 mm X 1.2 meter
Accessory:	Windscreen - Clip

THS215 Uni-Directional Headworn Microphone



FEATURES

- Unidirectional microphone
- Cardioid pattern
- Wide audio frequency range.
- Good quality built.
- High Signal to noise ratio
- Clean and accurate sound reproduction
- Light weight
- Foldable ear hangers
- Microphone position adjustable
- Microphone side easily interchangeable

THS215-U is a head worn microphone with a omnidirectional pattern characteristics. THS215-U produces a smooth frequency response over a wide audio band frequency range. Its lighweight construction and comfortable wearing makes it a great choice for applications such as Lecturers, TV hosts, Live performers, singers, etc. Its adjustable mechanism helps position the microphone correctly to achieve maximum performance. Windscreen is provided along with the microphone to minimize the pickup of unwanted sounds due to air movement around the capsule. With additional accessories this micrphone can be connected to Shure, AKG, Sennheiser or a 3.5mm jack wireless transmitters.

SPECIFICATIONS:

Polar Pattern:	Uni- Directional
Frequency Response:	70~16kHz (Uni)
Impedance:	1,200 Ω ± 30% (at 1kHz) (Uni)
Sensitivity:	-68±3 dB (0 dB = 1 V/microbar) (Uni)
Operating Voltage:	1~10 V DC (RL : 2K2 Ω)
Colour:	Skin - Black - Brown
Connector:	TA3F - TA4F – Mini Jack -3pin Lemo - Φ3.5 Plug
Dimensions:	
Capsule Housing:	Φ5 X 6 mm (Uni)
Boom:	Φ1 X 190 mm (Uni)
Wire:	Φ1.5 mm X 1.2 meter
Accessory:	Windscreen - Clip

THS223 Omni-Directional Headworn Microphone with Extendable Ear Hooks



FEATURES

- Omnidirectional microphone
- Smooth frequency response over wide audio frequency range.
- Good quality built.
- High Signal to noise ratio
- Clean and accurate sound reproduction
- Light weight
- Microphone position adjustable
- Microphone side easily interchangeable

SPECIFICATIONS:

Polar Pattern:	Omni-Directional
Frequency Response:	20~20kHz (Omni)
Impedance:	1,500 Ω ± 30% (at 1kHz) (Omni)
Sensitivity:	-67±3 dB (0 dB = 1 V/microbar) (Omni)
S/N Ratio:	55 dB (Omni)
SPL:	110 dB (Omni)
Operating Voltage:	1~10 V DC (RL : 2K2 Ω)
Colour:	Skin - Black – Purple
Connector:	TA3F - TA4F – Mini Jack -3pin Lemo - Φ3.5 Plug
Dimensions:	
Capsule Housing:	Φ4 X 11 mm (Omni)
Boom:	Φ1 X 150 mm (Omni)
Wire:	Φ1.5 mm X 1.2 meter
Accessory:	Windscreen - Clip

THS223-O is a head worn microphone with a omnidirectional pattern characteristics. THS223-O produces a linear frequency response over a wide audio band frequency range. Its lightweight construction and comfortable wearing makes it a great choice for applications such as Lecturers, TV hosts, Live performers, singers, etc. Its adjustable mechanism helps position the microphone correctly to achieve maximum performance. Windscreen is provided along with the microphone to minimize the pickup of unwanted sounds due to air movement around the capsule. With additional accessories this micrphone can be connected to Shure, AKG, Sennheiser or a 3.5mm jack wireless transmitters

THS223 Uni-Directional Headworn Microphone with Extendable Ear Hooks



FEATURES

- Unidirectional microphone
- Cardioid pattern
- Wide audio frequency range.
- Good quality built.
- High Signal to noise ratio
- Clean and accurate sound reproduction
- Light weight
- Microphone position adjustable
- Microphone side easily interchangeable

SPECIFICATIONS:

Polar Pattern:	Uni- Directional
Frequency Response:	70~16kHz (Uni)
Impedance:	1,200 Ω \pm 30% (at 1kHz) (Uni)
Sensitivity:	-68 \pm 3 dB (0 dB = 1 V/microbar) (Uni)
S/N Ratio:	55 dB (Uni)
SPL:	100 dB (Uni)
Operating Voltage:	1~10 V DC (RL : 2K2 Ω)
Colour:	Skin - Black – Purple
Connector:	TA3F - TA4F – Mini Jack -3pin Lemo - Φ 3.5 Plug
Dimensions:	
Capsule Housing:	Φ 5 X 6.5 mm (Uni)
Boom:	Φ 1 X 190 mm (Uni)
Wire:	Φ 1.5 mm X 1.2 meter
Accessory:	Windscreen - Clip

THS223-U is a head worn microphone with a omnidirectional pattern characteristics. THS223-U produces a smooth frequency response over a wide audio band frequency range. Its lighweight construction and comfortable wearing makes it a great choice for applications such as Lecturers, TV hosts, Live performers, singers, etc. Its adjustable mechanism helps position the microphone correctly to achieve maximum performance. Windscreen is provided along with the microphone to minimize the pickup of unwanted sounds due to air movement around the capsule. With additional accessories this micrphone can be connected to Shure, AKG, Sennheiser or a 3.5mm jack wireless transmitters.

THS306 Uni-Directional Sports Headworn Microphone



FEATURES

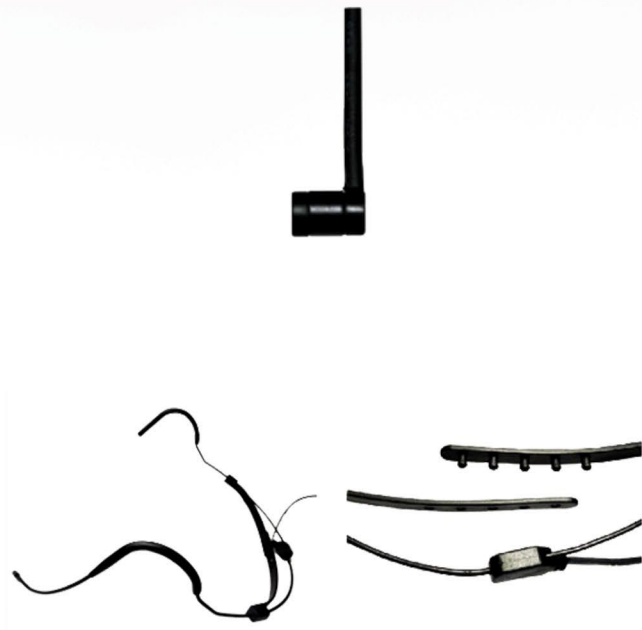
- Uni-directional microphone
- Cardioid pattern
- Wide audio frequency range.
- Robust built quality for outdoor application like sports.
- Good Signal to noise ratio
- Clean and accurate sound reproduction
- Light weight
- Adjustable belt to fit any head size
- IP57 rated Waterproof design
- Sweatproof

THS306-U is a sports head worn microphone with a uni-directional pattern characteristics. THS306-U produces a smooth frequency response over a wide audio band frequency range. Its waterproof design rated IP57, sweatproof design and comfortable wearing with adjustable belt design makes it a great choice for applications such as sports, aerobics and other outdoor speech acitivities. Windscreen is provided along with the microphone to minimize the pickup of unwanted sounds due to air movement around the capsule.

SPECIFICATIONS:

Polar Pattern:	Uni- Directional
Frequency Response:	70~16kHz (Uni)
Impedance:	1,500 Ω \pm 30% (at 1kHz) (Uni)
Sensitivity:	-62 \pm 3 dB (0 dB = 1 V/microbar) (Uni)
S/N Ratio:	: 58 dB (Uni)
SPL:	110 dB (Uni)
Operating Voltage:	1~10 V DC (RL : 2K2 Ω)
Colour:	Black
Connector:	TA3F - TA4F – Mini Jack -3pin Lemo - Φ 3.5 Plug
Dimensions:	
Capsule Housing:	Φ 7.2 X 8 mm (Uni)
Boom:	Φ 3.8 X 103 mm (Uni)
Wire:	Φ 1.5 mm X 1.2 meter
Accessory:	Windscreen - Clip

THS218-U Sports Headworn Microphone



FEATURES

- Unidirectional microphone
- Cardioid pattern
- Wide audio frequency range.
- Robust built quality for outdoor application like sports.
- Good Signal to noise ratio
- Clean and accurate sound reproduction
- Light weight
- Adjustable belt to different head sizes
- Waterproof design
- Sweatproof

THS218-U is a sports head worn microphone with a unidirectional pattern characteristics. THS218-U produces a smooth frequency response over a wide audio band frequency range. Its waterproof design, sweatproof design and comfortable wearing with adjustable belt design makes it a great choice for applications such as sports, aerobics and other outdoor speech acitivities. Windscreen is provided along with the microphone to minimize the pickup of unwanted sounds due to air movement around the capsule. With additional accessories this micrphone can be connected to Shure, AKG, Sennheiser or a 3.5mm jack wireless transmitters.

SPECIFICATIONS:

Polar Pattern:	Uni- Directional
Frequency Response:	70~16kHz (Uni)
Impedance:	1,500 Ω ± 30% (at 1kHz) (Uni)
Sensitivity:	-62±3 dB (0 dB = 1 V/microbar) (Uni)
S/N Ratio:	58 dB (Uni)
SPL:	110 dB (Uni)
Operating Voltage:	1~10 V DC (RL : 2K2 Ω)
Colour:	Black
Connector:	TA3F - TA4F – Mini Jack -3pin Lemo - Φ3.5 Plug
Dimensions:	
Capsule Housing:	Φ7.2 X 8 mm (Uni)
Boom:	Φ3.8 X 103 mm (Uni)
Wire:	Φ1.5 mm X 1.2 meter
Accessory:	Windscreen - Clip

TTC302 Omni-Directional Tie-Clip Microphone



FEATURES

- Omnidirectional microphone
- Smooth frequency response over wide audio frequency range.
- Good quality built.
- Can be easily attached to Tie or collar with provided clip
- High Signal to noise ratio
- High Input SPL
- Clean and accurate sound reproduction

SPECIFICATIONS:

Element:	Back Electret-Condenser
Polar Pattern:	Omni-Directional
Frequency Response:	20~20K Hz
Open Circuit Sensitivity:	-64±3 dB (0 dB = 1 V/microbar) (at 1K Hz)1.5~10 V DC (RL:680 Ω)
Impedance:	500 Ω
S/N Ratio:	70 dB
SPL:	123 dB
Operating Voltage:	1.5~10 V DC (RL : 2K2 Ω)
Color:	Skin . Black . Purple
Connector:	A3F . TA4F . MiniJack . 3pin Lemo . Φ3.5 Plug
Dimensions:	Φ5 x 14 mm
Wire:	Φ1.5 mm x 1.2 Meter
Accessory:	Windscreen . Clip

TTC302-O is a Tie-Clip microphone with a flexible wire and an attaching clip. The microphone has an omnidirectional pattern characteristics. TTC302-O produces a linear frequency response over a wide audio band frequency range. Some of the applications where this microphone would be ideal are Lecturers, TV performers, etc. Windscreen is provided along with the microphone to minimize the pickup of unwanted sounds due to air movement around the capsule.

TTC325 Uni-Directional Tie-Clip Microphone



FEATURES

- Unidirectional microphone
- Cardioid pattern
- Good quality built.
- Can be easily attached to Tie or collar with provided clip
- Good Signal to noise ratio
- Clean and accurate sound reproduction

SPECIFICATIONS:

Element:	Back Electret-Condenser
Polar Pattern:	Cardioid
Frequency Response:	80~18kHz
Open Circuit Sensitivity:	-66±3 dB (0 dB = 1 V/microbar) (at 1kHz)
Impedance:	600 Ω
Operating Voltage:	1.5~10 V DC (RL : 680 Ω)
S/N Ratio:	58 dB
SPL:	100 dB
Color:	Skin – Black
Connector:	TA3F – TA4F – T Mini Jack - 3pin Lemo - Φ3.5 Plug
Dimensions:	Φ11.2 X 25 mm
Wire:	Φ2 mm x 1.2 meter
Accessory:	Windscreen - Clip

TTC325-U is a Tie-Clip microphone with a flexible wire and an attaching clip. The microphone has an unidirectional pattern characteristics. Some of the applications where this microphone would be ideal are Lecturers, TV performers, etc. Windscreen is provided along with the microphone to minimize the pickup of unwanted sounds due to air movement around the capsule.

TTC322 Uni-Directional Tie-Clip Microphone



FEATURES

- Unidirectional microphone
- Cardioid pattern
- Good quality built.
- Can be easily attached to Tie or collar with provided clip
- Good Signal to noise ratio
- Clean and accurate sound reproduction

SPECIFICATIONS:

Polar Pattern:	Uni-Directional
Frequency Response:	70~16K Hz
Impedance:	1,500 Ω ±30% (at 1K Hz)
Sensitivity:	-62±3 dB (0 dB = 1 V/microbar)
Operating Voltage:	1~10 V DC (RL:2K2 Ω)
S/N Ratio:	58 dB
SPL:	115 dB
Capsule Housing:	8 x 19.2 mm
Front cover aperture:	1.5 mm
Mic Length:	90~100 cm
Color:	Black
Connector:	3.5 R/A Mono Plug

TTC322-U is a Tie-Clip microphone with a flexible wire and an attaching clip. The microphone has an unidirectional pattern characteristics. Some of the applications where this microphone would be ideal are Lecturers, TV performers, etc. Windscreen is provided along with the microphone to minimize the pickup of unwanted sounds due to air movement around the capsule.

TPG430-Uni-Directional Plug-In Microphone



FEATURES

- Unidirectional microphone
- Cardioid pattern
- Wide audio frequency range
- Good quality built
- Plugin type with 3.5mm connector
- Flexible body for aiming
- Good Signal to noise ratio

SPECIFICATIONS:

Element:	Back Electret-Condenser
Polar Pattern:	Cardioid
Frequency Response:	80~18K Hz
Impedance:	600 Ω (at 1K Hz)
Open Circuit Sensitivity:	-62±3 dB (0 dB = 1 V/microbar)
Operating Voltage:	1.5~10 V DC (RL:680 Ω)
S/N Ratio:	58 dB
SPL:	100 dB
Dimensions:	10.5 x 170 mm
Gooseneck:	3.6 x 99 mm
Color:	Black
Connector:	3.5 Golden Plug

TGP430-U is a plugin type unidirectional condenser microphone with a flexible 5”casing to aim the microphone correctly at the user. Its cardioid design helps pickup maximum sound from the user and minimize the sound from other surrounding sources. The capsule is built with an external housing to protect again environmental and physical abberations.The TGP430-U is usable wide audio band frequency range.

WM110 Wireless Audio Transmitter - Receiver System



FEATURES

- Reliable Transmission Performance
- User Friendly Operation
- Background Noise Control
- Transmission Unaffected By 4G LTE
- Backlit LCD Display
- Rechargeable Battery For More Than 5 Hours
- Body-Pack Size For Easy Carrying And Storage

SPECIFICATIONS:

RF Distance:	Up To 100M(Indoor Use)
RF Transmission Power:	MAX 19.5dbm
RF Band:	2.4GHz ISM Band
Package:	Hard Plastic Case
Matching Distance	≤ 2 M
Matching Time	≤ 1 sec
Transmission Delay:	0.006 sec
L X W X H:	6 cm X 3.5 cm X 1.5 cm
Weight:	29 g
Applications:	Speech Presentation Conference
Accessories:	C-type Rechargeable Power Cable Audio Cable Adapter: Φ3.5 Stereo to Φ3.5 Stereo Adapter: Φ3.5 Stereo to Φ6.3 Stereo

WM110 is a compact audio transmitter-receiver system designed for RF wireless audio applications. The operating frequency for the wireless system is 2.4GHz band.

The transmitter has a built-in microphone as well as a 3.5 mm input connector for connecting external mic or any other stereo playback source and a volume control to adjust the output levels.

The receiver has a 3.5 mm output jack to connect to a mixer. The receiver automatically locks to the transmitting channel for ease of operation.

Both transmitter and receiver incorporate 5VDC internal batteries rechargeable via micro USB cable.

sound matters



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Pulz reserves the right to make changes in specifications without prior notice.