

# R189 MINI-SHOTGUN MICROPHONE CARTRIDGE FOR MICROFLEX®

## OVERVIEW

The R189 is a mini-shotgun microphone cartridge that threads onto all Microflex gooseneck and overhead microphones, including those used with Microflex Wireless and Microflex Complete. Its narrow pickup pattern rejects unwanted ambient noise.

## FEATURES

- Highly directional lobar polar pattern
- CommShield® Technology guards against interference from Cellular RF devices and digital bodypack transmitters
- Threaded 1 centimeter cartridge compatible with all Microflex gooseneck and overhead models, including Microflex Wireless and Microflex Complete
- Features a 100-degree pickup area, narrower than a supercardioid or cardioid
- Available in black or bright white

## SPECIFICATIONS (SUBJECT TO CHANGE)

Transducer Type	Electret Condenser
Polar Pattern	Lobar
Frequency Response	50 to 17,000 Hz
Output Impedance	170 Ω
Sensitivity (open circuit voltage, @ 1 kHz, typical)	-33 dBV/Pa (22 mV)a
Maximum SPL (1 kHz at 1% THD)	121 dB SPL
Signal-to-Noise Ratio	68 dB
Dynamic Range	95 dB SPL
Common Mode Rejection	45 dB, minimum
Preamplifier Output Clipping Level	-8 dBV (0.4V)
Self Noise (equivalent SPL, A-weighted, typical)	36 dB
Operating Temperature Range	-18°C (0°F) to 57°C (135°F)
Polarity	3-Pin XLR: Positive sound pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of output XLR connector 5-Pin XLR: Positive sound pressure on diaphragm produces positive voltage on pin 4 relative to pin 2 of output XLR connector
Power Requirements	Phantom Power, 48-52V DC, 8.0mA

## AVAILABLE MODELS

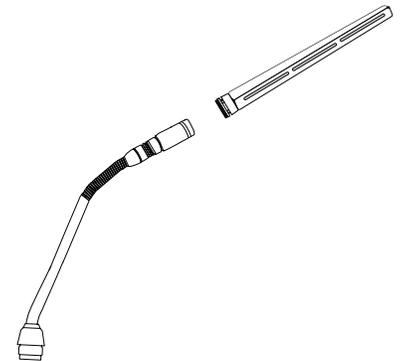
R189B	Black Lobar Mini-Shotgun Condenser Cartridge for Microflex Gooseneck and Overhead Microphones
R189W-A	Bright White Lobar Mini-Shotgun Condenser Cartridge for Microflex Gooseneck and Overhead Microphones
MX405/MS	5" Gooseneck, Bi-Color Status Indicator, Includes Surface Mount Preamp, Lobar Mini-Shotgun Cartridge
MX405R/MS	5" Gooseneck, Light Ring, Includes Surface Mount Preamp, Lobar Mini-Shotgun Cartridge
MX405LP/MS	5" Gooseneck, Bi-Color Status Indicator, Less Preamp, Lobar Mini-Shotgun Cartridge
MX405RLP/MS	5" Gooseneck, Light Ring, Less Preamp, Lobar Mini-Shotgun Cartridge
MX202B/MS	Low Profile Overhead Microphone, With Cable, Inline Preamp, Stand Adapter, Lobar Mini-Shotgun Condenser Cartridge, Black
MX202BP/MS	Low Profile Overhead Microphone, With Cable, Plate-Mount Preamp, Stand Adapter, Lobar Mini-Shotgun Condenser Cartridge, Black
MX202W-A/MS	Low Profile Overhead Microphone, With Cable, Inline Preamp, Stand Adapter, Lobar Mini-Shotgun Condenser Cartridge, Bright White
MX202WP-A/MS	Low Profile Overhead Microphone, With Cable, Plate-Mount Preamp, Stand Adapter, Lobar Mini-Shotgun Condenser Cartridge, Bright White
MXC406/MS	5.9" Ten-Pin Gooseneck, LED Ring, Single Bend at Base, Lobar Mini-Shotgun Cartridge
GM406/MS	5.9" Three-Pin Gooseneck, LED Ring, Single Bend at Base, Lobar Mini-Shotgun Cartridge

## OPTIONAL ACCESSORIES

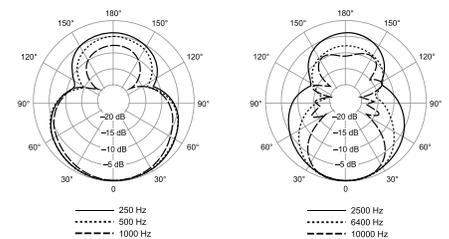
A189BWS	Black High-Performance Foam Windscreen
A189WWS	White High-Performance Foam Windscreen



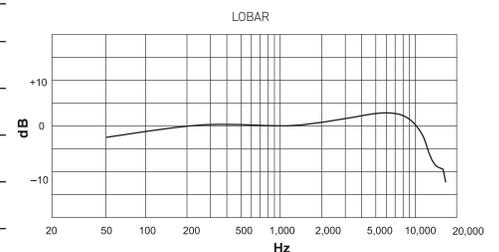
R189B and R189W-A Mini Shotgun Microphone Cartridge



R189 Mini-Shotgun Microphone Cartridge for Microflex



Polar Patterns



Frequency Response