

# Product Specifications

## SM35 Performance Headset Condenser Microphone

### Overview

The new SM35 headset condenser microphone from Shure gives multi-instrumentalists the freedom to express themselves without having to sacrifice the sound quality found in traditional microphones. A tight, unidirectional (cardioid) pickup pattern provides excellent rejection of off-axis sound sources to prevent feedback and signal bleed for superior performance on stage. Standard TA4F (TQG) connectivity seamlessly integrates into any Shure wireless bodypack system, and its availability in a number of bundled systems makes it appropriate for any stage, ranging from small clubs to large installations and arena tours. The SM35-XLR (optional) includes an inline RPM626 preamp for use in standard wired (XLR) applications.

### Features

- Wearable wireframe headset fits securely and comfortably for active performers and multi-instrumentalists
- Tight, unidirectional (cardioid) condenser pickup pattern rejects signal bleed and feedback for use on loud stages and behind floor monitors
- Flexible gooseneck design allows for optimized placement to further improve source isolation
- Lightweight and low-profile form enables comfortable, long-wearing use
- TA4F connector compatible with any Shure wireless bodypack system
- Included in a wide variety of Shure wireless systems, renowned for their ease of use and reliable performance
- Locking snap-fit windscreen tames plosive, breath and wind noise for clean and intelligible sound
- Tailored frequency response refined for clear, crisp vocal reproduction
- Legendary Shure precision engineering for durability and performance



SM35

### Available Models

SM35-TQG	Headset Cardioid Condenser Microphone with Snap-fit Windscreen and TA4F (TQG) Connector
SM35-XLR	Headset Cardioid Condenser Microphone with Snap-fit Windscreen and Inline XLR Preamp
BLX1288/SM35	BLX Dual-Channel Wireless Combo System
BLX14/SM35	BLX Wireless Headset System
BLX188/SM35	BLX Dual-Channel Wireless Headset System
BLX14R/SM35	BLX Rack-Mounted Wireless Headset System
GLXD14/SM35	GLX-D Digital Wireless Headset System
SLX14/SM35	SLX Wireless Headset System
ULXD14/SM35	ULX-D Digital Wireless Headset System
ULXP14/SM35	ULX Professional Wireless Headset System
ULXS14/SM35	ULX Standard Wireless Headset System

### Specifications

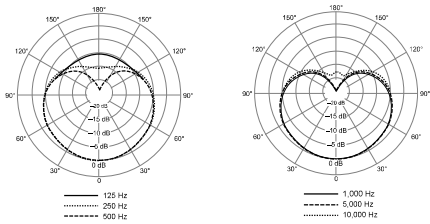
Type	Electret Condenser
Frequency Response	40 Hz to 20,000 Hz
Polar Pattern	Unidirectional (Cardioid)
Output Impedance @ 1 kHz	2400 $\Omega$
Audio Output Level	-59.0 dBV/Pa
Signal-To-Noise Ratio <sup>(1)</sup> @ 1 kHz	55 dB
Maximum SPL <sup>(1)</sup> 1000 $\Omega$ load, @ 1% THD	153.0 dB
Dynamic Range <sup>(1)</sup> @ 1 kHz, 1000 $\Omega$ load	114.0 dB
Equivalent Output Noise <sup>(1)</sup> Typical, A-Weighted	39 dB
Power Requirements	+5 V DC (nominal), 10 V maximum (DC bias)
Polarity	Positive pressure on diaphragm produces positive voltage on pin 3 with respect to pin 1
Cable	1.1 m (45 in.)
Connector	TA4F
Net Weight	72 g (2.53 oz.)

<sup>(1)</sup>Measurements taken using RPM626 preamp  
\* All specifications measured with a 48 VDC phantom power supply. The microphone operates at lower voltages, but with slightly decreased headroom and sensitivity.

### Optional Accessories

RK378	Replacement kit with clip + 2 snap-fit foam windscreens
RK183WS	Replacement snap-fit foam windscreens (4 per pkg.)

### Polar Patterns



### Frequency Response

