Product Specifications

KSM141 Dual-pattern End-Address Condenser Microphone

Overview

The Shure KSM141 is a small diaphragm end-addressed condenser microphone with a rotating collar allowing easy switching between a highly consistent cardioid or true omnidirectional polar pattern for smooth and extremely focused sound reproduction. Designed for studio use, yet rugged enough for live applications, the KSM141 can withstand extremely high sound pressure levels (SPL). Its low self-noise and extended frequency response make it ideal for recording musical instruments. Versatile, durable, and precise, the KSM141 is an outstanding microphone for both live and studio applications.

Features

- A mechanical polar pattern switch for highly consistent cardioid and true omnidirectional polar patterns. Provides flexibility in a wide variety of
 recording applications.
- Ultra-thin, 2.5 µm 24 karat gold-layered, low mass Mylar[®] diaphragm for superior transient response.
- Class A, discrete, transformerless preamplifier for transparency, extremely fast transient response, no crossover distortion, and minimal harmonic and intermodulation distortion.
- Premium electronic components, including gold-plated internal and external connectors.
- Subsonic filter eliminates low-frequency rumble (less than 17 Hz) caused by mechanical vibration.
 Three-position switchable pad (0 dB, 15 dB, and 25 dB) for handling extremely high sound pressure levels (SPLs).
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 Three-position switchable low-frequency filter reduces background noise and counteracts proximity effect.

Available Models

KSM141/SL	Includes Stand Adapter, Windscreen, and Carrying Case				
KSM141/SL STEREO	Includes two KSM141, two Stand Adapters, two Windscreens, A27M Stereo Microphone Adapter and Carrying Case				

Specifications

Cartridge Type	Electret Condenser
Frequency Response	20 to 20,000 Hz
Output Impedance	150 ohms (actual)
Power Requirements	48 Vdc phantom, 4.7 mA
Common Mode Rejection	>50 dB, 50 Hz to 20 kHz
Polarity	Positive pressure on front diaphragm produces positive voltage on output pin 2 relative to pin 3
Polar Patterns	Cardioid, Omnidirectional
Sensitivity (typical; at 1000 Hz; 1 Pa = 94 dB SPL)	-37 dBV/Pa
Self-noise (typical, equivalent SPL; A-weighted, IEC 651)	14 dB
Maximum SPL @ 1000 Hz 5000 ohms load 2500 ohms load 1000 ohms load	134 dB (159 dB, -25 Pad) 139 dB (164 dB, -25 Pad) 134 dB (159 dB, -25 Pad)
Output Clipping Level 5000 ohms load 2500 ohms load 1000 ohms load	15 dBV 9 dBV 3 dBV
Dynamic Range 5000 ohms load 2500 ohms load 1000 ohms load	131 dB 125 dB 120 dB
Signal to Noise ratio	80 dB
Weight	Net: 156 g (5.5 oz.)
Switch	Attenuator: 0, –15, –25 dB Low Frequency Response: flat; -6 dB/octave below 115 Hz; -18 dB/octave below 80 Hz

Furnished Accessories

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A100G	Case	A100WS	Windscreen		
A27M	Stereo Microphone Adapter	A57F	Stand Adapter		
		Polar Pattern		Frequency Response	
	Omnidirectional	1		+20	
	ommuneetiona	150' 150'	100' 100'	+10	
	120	120° 120			
	(75645233 (7		0 60 cm	
	90°			-10	
			-15 08		
			-6 48	-20	
		30" +5 dB 50"	30" +5 dB 0"	20 50 100 200 500	1k 2k 5k 10k
	500 H;	z (2500 Hz		
		z 1	0000 Hz	+20	
	Cardioid	150' 150' 1	180'		
	1207	120' 120'		+10 15 cm	
				· · · · · · · · · · · · · · · · · · ·	┝──┼┼┼┿╫┯╲
	▋ ▋▋▋▋■ ┓ ●	((), (), (), (), (), (), (), (), (), (),		60 cm	+ + + + + + + + + + + + + + + + + + +
	HURE			-10	
		-5.68 W W	-10:68 / 100'	-20	
EGEI	NDARY	30° +5.65 - 30° - 3	-5 dB 30"		
PERF	ORMANCE™	250 Hz 2	500 Hz		1k 2k 5k 10k
			400 Hz	Hz -	



KSM141