

# VOCAL

## BETA58A®

SUPERCARDIOID | DYNAMIC

### Vocal Microphone

Optimized for lead vocal applications, the Beta 58A features a tight supercardioid pattern that provides maximum sound isolation and minimum off-axis tone coloration.



50Hz – 16kHz



## BETA87A

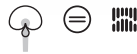
SUPERCARDIOID | CONDENSER

### Vocal Microphone

Built to withstand extreme sound pressure levels, the Beta 87A has a smooth, tailored response for warm, accurate sound and a supercardioid pattern that provides maximum sound isolation.



50Hz – 20kHz



## BETA87C

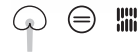
CARDIOID | CONDENSER

### Vocal Microphone

With its excellent rear rejection, the cardioid polar pattern of the Beta 87C helps to compensate for the noise bleed often associated with the use of personal monitors.



50Hz – 20kHz



## BETA53

OMNIDIRECTIONAL | CONDENSER

### Headworn Vocal Microphone

Delivers detailed, uncolored vocal reproduction in a nearly invisible, lightweight and fully adjustable design.



20Hz – 20kHz



## BETA54

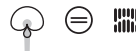
SUPERCARDIOID | CONDENSER

### Headworn Vocal Microphone

Ideal for broadcast, theater and other applications requiring uncompromised sound quality and minimal visibility.



50Hz – 20kHz



#### Key: Operating Principle

Dynamic Condenser

#### Polar Pattern

Half-cardioid Cardioid Supercardioid Omnidirectional Bi-directional

#### Frequency Response

Flat Tailored

# Technical Specifications

Model	Type	Frequency Response	Polar Pattern	Sensitivity (at 1 kHz, Open Circuit Voltage)	Output Impedance	Maximum SPL (1 kHz at 1% THD)	Net Weight
BETA27	Externally Biased Condenser	20 to 20,000 Hz	Supercardioid	-37 dBV/Pa (14.13 mV)	160 $\Omega$ (at 1 kHz)	134 dB (148 dB, Pad on) (1% THD, 1,000 $\Omega$ load)	Microphone: 428 grams (15.1 oz) With Stand Mount: 537 grams (18.9 oz)
BETA52A	Dynamic	20 to 10,000 Hz	Supercardioid	-64 dBV/Pa (0.6 mV)	150 $\Omega$ (at 1 kHz)	NA	605 grams (21.6 oz)
BETA53	Condenser (electret)	20 to 20,000 Hz	Omnidirectional	-55 dBV/Pa (1.78 mV)	136 $\Omega$ (at 1 kHz)	147 dB; (1% THD, 1,000 $\Omega$ load)	35.35 grams (1.25 oz)
BETA54	Condenser (electret)	50 to 20,000 Hz	Supercardioid	-52 dBV/Pa (2.51 mV)	136 $\Omega$ (at 1 kHz)	149 dB; (1% THD, 1,000 $\Omega$ load)	35.35 grams (1.25 oz)
BETA56A	Dynamic	50 to 16,000 Hz	Supercardioid	-51 dBV/Pa (2.8 mV)	290 $\Omega$ (at 1 kHz)	NA	468 grams (16.7 oz)
BETA57A	Dynamic	50 to 16,000 Hz	Supercardioid	-51 dBV/Pa (2.8 mV)	290 $\Omega$ (at 1 kHz)	NA	275 grams (9.6 oz)
BETA58A	Dynamic	50 to 16,000 Hz	Supercardioid	-51.5 dBV/Pa (2.7 mV)	290 $\Omega$ (at 1 kHz)	NA	278 grams (9.92 oz)
BETA87A	Condenser (electret)	50 to 20,000 Hz	Supercardioid	-52.5 dBV/Pa (2 mV)	100 $\Omega$ (at 1 kHz)	140.5 dB; (0.25% THD, 1,000 $\Omega$ load)	207 grams (7.6 oz)
BETA87C	Condenser (electret)	50 to 20,000 Hz	Cardioid	-51 dBV/Pa (2.7 mV)	100 $\Omega$ (at 1 kHz)	139 dB; (0.25% THD, 1,000 $\Omega$ load)	207 grams (7.6 oz)
BETA91A	Condenser (electret)	20 to 20,000 Hz	Half-cardioid	-48.5 dBV/Pa (3.8 mV)	146 $\Omega$ (at 1 kHz)	151 dB with 1,000 $\Omega$ load	470 grams (16.6 oz)
BETA98AMP	Condenser (electret)	20 to 20,000 Hz	Cardioid	-50.5 dBV/Pa (2.5 mV)	150 $\Omega$ (at 1 kHz)	153 dB with 1,000 $\Omega$ load	130 grams (4.6 oz)
BETA98AD/C	Condenser (electret)	20 to 20,000 Hz	Cardioid	-48 dBV/Pa (3.8 mV)	179 $\Omega$ (at 1 kHz)	144 dB with 1,000 $\Omega$ load	12 grams, less cable (0.4 oz) Pre-amplifier: 96 grams (3.4 oz)
BETA98A/C	Condenser (electret)	20 to 20,000 Hz	Cardioid	-48 dBV/Pa (3.8 mV)	179 $\Omega$ (at 1 kHz)	144 dB with 1,000 $\Omega$ load	12 grams, less cable (0.4 oz) Pre-amplifier: 96 grams (3.4 oz)
BETA98H/C	Condenser (electret)	20 to 20,000 Hz	Cardioid	-56 dBV/Pa (1.6 mV)	150 $\Omega$ (at 1 kHz)	155 dB with 1,000 $\Omega$ load	Microphone with cable and pre-amplifier: 156 grams (5.5 oz)
BETA181	Condenser (electret)	20 to 20,000 Hz	Cardioid Supercardioid Omnidirectional Bidirectional	-46.5 dBV/Pa (2.4 mV) -49.5 dBV/Pa (2.5 mV) -52.0 dBV/Pa (2.6 mV) -51.0 dBV/Pa (2.6 mV)	110 $\Omega$ (at 1 kHz)	149.0 dB (1,000 $\Omega$ load) 152.0 dB (1,000 $\Omega$ load) 154.0 dB (1,000 $\Omega$ load) 153.50 dB (1,000 $\Omega$ load)	145 grams (5.1 oz)

All Specifications Subject to Change

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