

Specifications

Model: M5AEBT

Wearing style	headband stereo headphones
Ear coupling	around-the-ear, circum-aural
Transducer principle	dynamic
Transducer	42 mm
Frequency response	6 Hz to 22,000 Hz (–10 dB)
Sound pressure level (SPL)	106 dB (1 kHz/0 dBFS)
THD	< 0.2% (1 kHz, 100 dB SPL)
Microphone principle	MEMS
Microphone frequency response	50 Hz to 10 kHz (–3 dB)
Microphone pick-up pattern (speech audio)	4 omni-directional microphones 2x2-mic beamforming array
Power supply	replaceable, rechargeable lithium-polymer battery: 3.7 V ⁻⁻⁻ , 700 mAh, 2.59 Wh USB charging via USB C socket: 5 V ⁻⁻⁻ , 800 mA max.
Charging time of rechargeable battery	approx. 2 hrs
Operating time	up to 57 hrs (music playback via Bluetooth with ANC activated; test condition: iPhone, mid volume level)
Temperature range	<i>operation:</i> 0°C to +40°C <i>charging:</i> +10°C to +40°C <i>storage:</i> –20°C to +60°C
Relative humidity (non condensing)	<i>operation:</i> 10 to 80% <i>storage:</i> 10 to 90%
Weight (headphones)	approx. 290 g
Magnetic field strength	6.3 mT

Bluetooth

Version	Bluetooth 5.4 compliant, class 1
Transmission frequency	2,402 MHz to 2,480 MHz
Modulation	GFSK, $\pi/4$ DQPSK, 8DPSK
Profiles	A2DP, AVRCP, HFP, HSP, GATT
Output power	10 mW (max)
Codec	SBC, AAC, aptX [™] , aptX [™] HD, aptX lossless [™] , aptX [™] Adaptive
Device name	MOMENTUM 5 (individually adjustable) LE-MOMENTUM 5 (Bluetooth Low Energy only)
Number of active connections	2

Compatible battery (BA 500)

Nominal voltage	3.7 V $\approx$
Minimum capacity	700 mAh
Discharge current	0.2 C
Discharge cut-off voltage	3.0 V
Discharge temperature range	-20 to 60°C
Charging end voltage	4.2 V
Charging current (3.0 – 4.2 V)	1.0 C (15 – 45°C), 0.2 C (0 – 15°C)
Charging current (<3.0 V)	0.2 C
Charge cut-off current	0.05 C
Charge temperature range	0 to 45°C
Mechanical dimensions	51.0 mm (± 0.2 mm) x 38.5 mm (± 0.2 mm) x 5.1 mm (± 0.2 mm)
PCM - Protection Circuit Module	integrated
Housing flammability	Metal/UL94V1 or above
Plug	Molex 51021.400 pin 1: positive pole, pin 2: unused, pin 3: NTC, pin 4: negative pole