

Magnetic Sounder

◆Reflow type (Non-washable) (Note 1)

Type	Model	Dimensions (mm)	Rated Voltage (V)	Operating Voltage (V)	Rated Frequency (Hz)	Sound Pressure Level (dBA) (Note 2) <MIN(10cm)>	Mean Current Consumption (mA) <MAX>	Operating Temperature (°C)	Mass (g)	Page
NFT	NFT-03C	5×5×3	3.0	~4.0	4,000	78	100	-30~+70	0.3	6
	NFT-03D	5×5×2	3.0	~4.0	4,500	78	110	-30~+70	0.3	6
MLT	MLT-03C	8.5×8.5×3	3.6	~4.5	2,700	88	100	-30~+70	0.5	7
	MLT-03GC	8.5×8.5×4	3.6	~4.5	2,700	94	100	-30~+70	0.5	7
	MLT-03HH		3.6	~4.5	3,000	96	100	-30~+70	0.5	8
MZT-A	MZT-03A-BLK	10×12×2	3.6	~4.2	2,670	83	70	-30~+70	0.5	8
MLT	MUT-01A	11×14×3	1.5	~1.7	3,200	85	65	-20~+70	1	9
	MUT-03A		3	~4.5	3,200	87	70	-20~+70	1	9



◆Non-washable type

Type	Model	Dimensions (mm)	Rated Voltage (V)	Operating Voltage (V)	Rated Frequency (Hz)	SPL (dBA) <MIN(10cm)>	Frequency Band (Hz) <MIN80dB>	Mean Current Consumption (mA) <MAX>	Operating Temperature (°C)	Mass (g)	Page
QCP-03A	QCP-03A	φ9×4.5	3.6	~4.3	2,670	85	—	90	-30~+60	1	10
QMB-105	QMB-105P	φ12×5.4	1.5	~2	2,048	70	—	10	-20~+60	2	10
QMB-108	QMB-108P	φ12×7.5	1.5	~2	2,743	85	—	60	-20~+60	1.6	11
QMB-111	QMB-111PN	φ12×8.5	1.5	~2	2,048	80	—	10	-20~+60	2	11
	QMB-111GPN		1.5	~2	2,048	85	—	35	-20~+60	2	11
	QMB-111PC		5	~5	2,000	85	—	40	-20~+60	2	11
PMX-06	PMX-06B	φ12×5.8	1.5	~2	2,731	83	—	70	-20~+60	2	12
PMX-04	PMX-04B	φ12×7.5	1.5	~2	2,731	85	—	70	-20~+60	2	12



◆Washable type (Note 3)

Type	Model	Dimensions (mm)	Rated Voltage (V)	Operating Voltage (V)	Rated Frequency (Hz)	SPL (dBA) <MIN(10cm)>	Frequency Band (Hz) <MIN80dB>	Mean Current Consumption (mA) <MAX>	Operating Temperature (°C)	Mass (g)	Page
QMX	QMX-05	φ12×9	5	~8	2,400	85	—	40	-40~+85	2	13
	QMX-12		12	~15	2,400	85	—	40	-40~+85	2	13
HGP	HGP-05AM	φ16×12	5	~8	—	85	1,700~2,200	70	-40~+90	4	13
	HGP-12AM		12	~15	—	85	1,700~2,200	50	-40~+90	4	13
RMX	RMX-06	φ16×14	6	~12	2,048	85	2,000~3,000	40	-40~+85	5	14
	RMX-12Y		12	~18	2,048	85	2,000~3,000	40	-40~+85	5	14
QMB	QMB-06S/L	φ16×14	6	~12	2,048	85	—	40	-40~+100	7	14
	QMB-12S/L		12	~18	2,048	85	—	40	-40~+85	7	14
TMX	TMX-12F	φ25×18	12	~16	850	95	—	40	-40~+85	9	15
	TMX-03H	φ25×12.5	3.6	~5	1,500	106	—	300	-40~+80	10	15
	TMX-05H	φ25×12.5	5	~6	1,500	104	—	80	-40~+85	9	15
	TMX-12H	φ25×12.5	12	~16	1,500	104	—	55	-40~+85	9	15
TMX-S3	TMX-06S3	φ25×12.5	6	~8	1,000	85	1,000~1,500	75	-40~+85	9	16
	TMX-12S3		12	~14	1,000	85	1,000~1,500	55	-40~+85	9	16

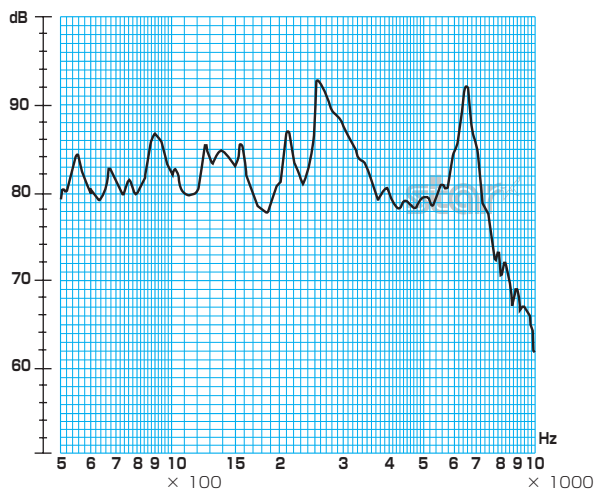


Non-washable

QMB-108 series**QMB-108P**

Upper Sound Port

Frequency Response



applied voltage : 1.5V, square wave : $\frac{1}{2}$ duty,
distance for measurement : 10cm

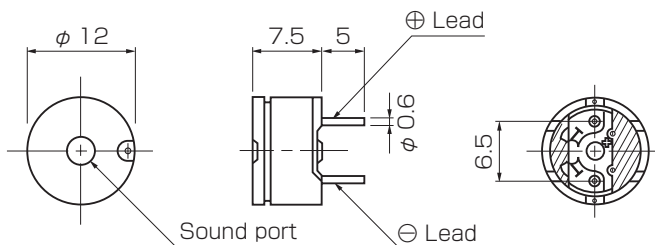
Specifications

Type	QMB-108P
Rated Voltage (V)	1.5
※ Mean Current Consumption (mA)	MAX60(TYP51)
Coil Resistance (Ω)	6.5 ± 1
※ SPL at MIN10cm (dBA)	MIN85(TYP90)
Rated Frequency (Hz)	2,743
Operating Voltage (V)	MAX2
Operating Temperature ($^{\circ}\text{C}$)	$-20 \sim +60$
Storage Temperature ($^{\circ}\text{C}$)	$-30 \sim +70$
Mass (g)	1.6

※Value applying rated voltage(2,743Hz, $\frac{1}{2}$ duty, square wave)

Dimensions [size : $\phi 12 \times 7.5\text{mm}$]

unit : mm/housing material : PPE-M



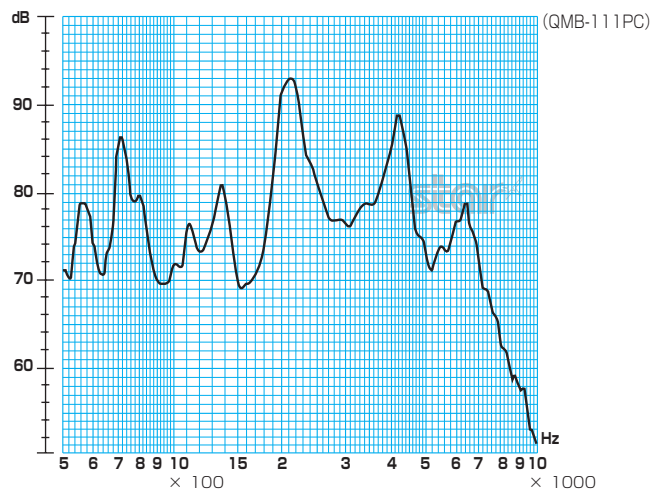
Non-washable

QMB-111 series**QMB-111PN****QMB-111GPN****QMB-111PC**

Upper Sound Port

Patent

Frequency Response



applied voltage : 5V, square wave : $\frac{1}{2}$ duty,
distance for measurement : 10cm

Specifications

Type	QMB-111PN	QMB-111GPN	QMB-111PC
Rated Voltage (V)	1.5		5
※ Mean Current Consumption (mA)	MAX10(TYP8.3)	MAX35(TYP26)	MAX40(TYP31)
Coil Resistance (Ω)	50 ± 7.5	16 ± 4.5	50 ± 7.5
※ SPL at MIN10cm (dBA)	MIN80(TYP87)	MIN85(TYP91)	MIN85(TYP92)
Rated Frequency (Hz)		2,048	2,000
Operating Voltage (V)		MAX2	MAX5
Operating Temperature ($^{\circ}\text{C}$)		$-20 \sim +60$	
Storage Temperature ($^{\circ}\text{C}$)		$-30 \sim +70$	
Mass (g)		2	

※Value applying rated voltage(rated frequency, $\frac{1}{2}$ duty, square wave)

Dimensions [size : $\phi 12 \times 8.5\text{mm}$]

unit : mm/housing material : PPE-M

