



Acoustic Solution Partner







## Dynamic Speaker (Non-washable)

Photo	Model	Dimensions (mm )	SPL (dB/10 cm)	Characteristic	Details for Spec.
	SAE-20 Series (SMT Type)	Size:(20x20x4.5mm)	95.5±3 dB	High Heat Resistance, Reflow, High SPL, Automotive use	
10, 03G	NDT-03 Series (SMT Type)	Size:(15x15x4.0mm)	90±3 dB	Small, High Heat Resistance, Reflow	
	SAC-30 Series	Size:φ30mm	≧86 dB	High Heat Resistance, High SPL, Automotive use, Selectable for connector / cable / impedance	
	SAG-40 Series	Size:φ40mm	≥90 dB	High Heat Resistance, High SPL, Automotive use, Selectable for connector /	









#### cable / impedance

SAL-40 Series New	Size:φ40mm	≧94 dB	High Heat Resistance, High SPL, Automotive use, Selectable for connector / cable / impedance	
SCG-16 Series	Size: (φ16x3.0mm)	92.5±3 dB	High SPL, Selectable for connector / cable / impedance	
SCM-09 Series	Size:(9x18x3.4mm)	91.5±3dB	High SPL, Selectable for connector / cable / impedance	

# Magnetic Sounder (Non-washable)

Photo	Model	Dimensions (mm )	SPL (dB/10 cm)	Characteristic	Details for Spec
· 123	MLT-03HH (SMT Type)	Size:(8.5 x 8.5x4.0mm)	MIN96 dB (TYP102)	Small, High SPL, Upper Sound Port, (Automotive use)	
* 123	MLT-05HH (SMT Type)	Size:(8.5 x 8.5x4.0mm)	MIN100 dB (TYP103)	Small, High SPL, Upper Sound Port, (Automotive use)	
ML TORCE	MLT-3GC (SMT Type)	Size: (8.5 x 8.5x4.0mm)	MIN94 dB(TYP103)	Small, High SPL, Side Sound Port	
\$1.74.	NAT Series (SMT Type)	Size: (15x17x12mm)	MIN88 dB(TYP95)	Upper Sound Port, Wide band , Automotive use, High SPL	
	QMB-105P	Size: φ12mm	MIN70 dB(TYP77)	Small, High SPL	
	PMX-04B	Size: (φ12x7.5mm)	MIN85 dB(TYP92)	Small, High SPL, Side Sound Port	

## Magnetic Sounder (Washable)

Photo	Model	Dimensions (mm )	SPL (dB/10 cm)	Characteristic	Details for Spec
REMOVE WASHING  QMX-05 98A	QMX Series	Size: (φ12x9mm)	MIN85 (TYP92)	Small, High SPL, Automotive use	
HGP-05AM 98E	HGP Series	Size: (φ16x12mm)	MIN85 (TYP90)	Wide band, Low Frequency, Automotive use	
MAX-06 98L	RMX Series	Size: (φ16x14mm)	MIN85 (TYP93)	Wide band, High SPL, Automotive use	
CMB-06	QMB Series	Size:(φ16x14mm)	MIN85 (TYP94)	High SPL, Automotive use	
nacas aug	TMX Series	Size:(φ25x12.5mm)	MIN85 (TYP89)	Low Frequency, High SPL, Automotive use	
TMAX TO THE TOTAL THE TOTA	TMX-F Series	Size:(φ25x18mm)	MIN95 (TYP99)	Low Frequency, High SPL, Automotive use	
THE TOP	TMX-H Series	Size:(φ25x12.5mm)	MIN104 (TYP110)	High SPL, Automotive use	

### Self-Contained Drive Circuit Buzzer

Photo	Model	Dimensions (mm )	SPL (dB/10 cm)	Characteristic	Details for Spec
TMB-05 98F	TMB Series	Size: (φ12x9.5mm)	MIN85 (TYP90)	Small, Low Current Consumption	
HMB-06 98E	HMB Series	Size: (φ16x14.5mm)	MAX85 (TYP90)	Low Current Consumption	