

★Product list by spec

Category	Series	Product Name	Connector Type	Mount Type	Washing Type	Characteristic	Dimension (mm)	Rated Voltage (V)	Operating Voltage(V)/(W)	Basic Frequency (Hz)	SPL(dBA) (Min/10cm)	Reproduced Frequency (Hz)<Min80dB>	Mean Current Consumption	Operating Temp.(°C)	Mass (g)	Packing
Magnetic Sounder	MLT-HH	MLT-03HH	Surface Mount (SMT)	Surface Mount (SMT)	Non-Washable	Small, High SPL, Upper Sound Port	8.5x8.5x4	3.6	~4.5	3,000	96	-	100	-30~+70	0.5	Reel
		MLT-05HH				Small, High SPL, Upper Sound Port, Automotive use		5	~5	3,800	100	-	100	-40~+85		
	MLT-G	MLT-03GC				Small, High SPL, Side Sound Port		3.6	~4.5	2,700	94	-	100	-30~+70		
		NAT				NAT-05A		Pin	Hand Solder	Non-Washable	Upper Sound Port, Wide band, Automotive use, High SPL	15x17x12	5	~7	2,000	
	NAT-12A		15x17x12	12	~16	1650~2300	75									
	QMB-105	QMB-105P	Pin	Hand Solder	Non-Washable	Small, High SPL	φ 12x5.4	1.5	~2	2,048	70	-	10	-20~+60	2.0	Magazine
	QMB-108	QMB-108P					φ 12x7.5				75	-	60			
	QMB-111	QMB-111PN					φ 12x8.5				80	-	10			
		QMB-111GPN					φ 12x8.5				85	-	35			
		QMB-111PC					φ 12x8.5				5	~5	2,000			
	PMX	PMX-04B	φ 12x7.5	1.5	~2	2,731	85	-	70							
	QMX	QMX-05	Pin	Dip Solder	Selectable	Small, High SPL, Automotive use	φ 12x9	5	~8	2,400	85	-	40	-40~+85	2.0	
		QMX-12						12	~15		-					
	HGP	HGP-05AM	Pin	Dip Solder	Selectable	Wide band, Low Frequency, Automotive use	φ 16x12	5	~8	-	85	1700~2200	70	-40~+90	4.0	
		HGP-12AM						12	~15		50					
	RMX	RMX-06	Pin	Dip Solder	Selectable	Wide band, High SPL, Automotive use	φ 16x14	6	~12	2,048	85	2000~3000	40	-40~+85	5.0	
		RMX-12Y						12	~18							2,048
	QMB	QMB-06SL	Pin	Dip Solder	Selectable	High SPL, Automotive use	φ 16x14	6	~12	2,048	85	-	40	-40~+100	7.0	
		QMB-12SL						12	~18					2,048	7.0	
	TMX	TMX-05C3T CS NL	Pin	Dip Solder	Selectable	Low Frequency, High SPL, Automotive use	φ 25x12.5	5	~6	800	85	-	80	-40~+85	9.0	
								6	~7						730	9.0
								12	~14						1,000	55
	TMX-F	TMX-12F	Pin	Dip Solder	Selectable	Low Frequency, High SPL Automotive use	φ 25x18	12	~16	850	95	40	9.0			
	TMX-H	TMX-03H	Pin	Dip Solder	Selectable	High SPL, Automotive use	φ 25x12.5	3	~5	1,500	106	-	300	-40~+85	10.0	
5								~6	80						9.0	
12								~16	104						55	9.0

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Self-Contained Drive Circuit Buzzer	TMB	TMB-05	Pin	Dip Solder	Selectable	Small, Low Current Consumption	φ 12x9.5	5	4~6.5	2300 +/-300	85	30	-40~+85	2.0	Tray
		TMB-12					φ 12x9.5	12	8~16						
	HMB	HMB-06				Low Current Consumption	φ 16x14.5	6	4~7	2200 +/-300	85	30	-40~+85	5.0	
		HMB-12					φ 16x14.5	12	8~16						

Category	Series	Product Name	Connector Type	Mount Type	Washing Type	Characteristic	Dimension (mm)	Nominal Input (W)	Resonance Frequency(Hz)	SPL(dB) (10cm)	Impedance (Ω)	Operating Temp(°C)	Mass (g)	Packing	
Dynamic Speaker	SAE-20	SAE-20AH	Surface Mount (SMT)	Surface Mount (SMT)	Non-Washable	High Heat Resistance, Reflow, High SPL, Automotive use	20x20x4.5	0.8W	850+/-100	95.5+/-3	8+/-1.6	-40~+85	3.0	Reel	
		SAE-20CH					20x20x4.5	0.5W	700+/-100	Min.87	8+/-1.6	-40~+85	3.0		
	NDT-03	NDT-03C				15x15x4	0.5W	800+/-100	90+/-3	8+/-1.6	-30~+85	1.6			
	SAC-30	SAC-30A	Pin	Leaf Spring	Connector	Non-Washable	High Heat Resistance, High SPL, Automotive use, Selectable for connector· cable· impedance	φ 32x18	0.2W	-	Min.86	8, 28, 45 +/-1.6	-40~+105	8.5	Tray
								φ 37x16.5							
								φ 33.8x7							
								φ 31.5x14.8							
	SAG-40	SAG-40A	Others	Others	Non-Washable	High SPL, Selectable for connector· cable· impedance	φ 40x10.9	0.5W	500+/-100	Min.90	8+/-1.2	-40~+105	12.0		
		SAG-40C					12.0								
	SAL-40	SAL-40A	Others	Others	Non-Washable	High SPL, Selectable for connector· cable· impedance	φ 48x16	0.5W	-	Min.94	8+/-1.2	-40~+105	20.0		
SCG-16	SCG-16A	Others	Others	Non-Washable	High SPL, Selectable for connector· cable· impedance	φ 16x3.3	0.3W	780+/-100	92.5+/-3	8+/-1.2	-30~+70	1.0			
	SCG-16B-LS					1.0									
SCM-09	SCM-09C	Others	Others	Non-Washable	High SPL, Selectable for connector· cable· impedance	9x18x3.4	0.4W	950+/-150	91.5+/-3	8+0.8/-1.6	-30~+70	1.0			