

★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	88
	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				85	-	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				85	-
	PMX	PMX-04B					Small, High SPL, Side Sound Port				φ 12x7.5	1.5	~2				2,731	85
	QMX	QMX-05	Pin	Dip Solder	Selectable	Small, High SPL, Automotive use	φ 12x9	5	~8	2,400	85	-	40	-40~+85	2.0	Tray		
		QMX-12					12	~15	-		70	-40~+90						
	HGP	HGP-05AM	Pin	Dip Solder	Selectable	Wide band, Low Frequency, Automotive use	φ 16x12	5	~8	-	85	1700~2200	50	-40~+90	4.0			
		HGP-12AM						12	~15				40	-40~+85				
	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	40	-40~+100			
	QMB	QMB-06SL	Pin	Dip Solder	Selectable	High SPL, Automotive use	φ 16x14	6	~12	2,048	85	-	40	-40~+85	7.0			
		QMB-12SL						12	~18				2,048	80	9.0			
	TMX	TMX-05C3T CS NL	Pin	Dip Solder	Selectable	Low Frequency, High SPL, Automotive use	φ 25x12.5	5	~6	800	85	-	55	-40~+85	9.0			
6								~7	730				75	9.0				
12								~14	1,000				55	9.0				
TMX-F	TMX-12F	Pin	Dip Solder	Selectable	Low Frequency, High SPL Automotive use	φ 25x18	12	~16	850	95	40	-40~+85	9.0	Tray				
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				

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)	Mean Current Consumption (Max/mA)	Operating Temp.(°C)	Mass (g)	Packing
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	
		SAE-20D-30					20x20x4.7	0.5W	760+/-100	91dB+/-3	30+/-6	-40~+105	3.0	
	NDT-03	NDT-03C				Pin	Others	Non-Washable	Small, High Heat Resistance, Reflow,	15x15x4	0.5W	800+/-100	90+/-3	8+/-1.6
	SAC-30	SAC-30A	Leaf Spring	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	
		SAC-30B	Connector		φ 37x16.5									
		SAC-30C	Pin		φ 33.8x7									
		SAC-30D	Pin		φ 31.5x14.8									
	SAG-40	SAG-40A	Others	φ 40x10.9	0.5W	500+/-100			Min.90	8+/-1.2	-40~+105	12.0		
		SAG-40C		φ 48x16	0.5W	-			Min.94	8+/-1.2	-40~+105	12.0		
	SAL-40	SAL-40A	Others	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-16		SCG-16A					9x18x3.4	0.4W						950+/-150
SCM-09	SCM-09C	Others	High SPL, Selectable for connector· cable· impedance	φ 16x3.3	0.3W	780+/-100			92.5+/-3	8+/-1.2	-30~+70	1.0		