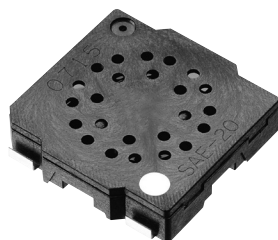


Dynamic Speaker(Non-washable)

SAE

series

Speaker for Automotive



SAE-20AH

As for non washable products, dip soldering should not be implemented.

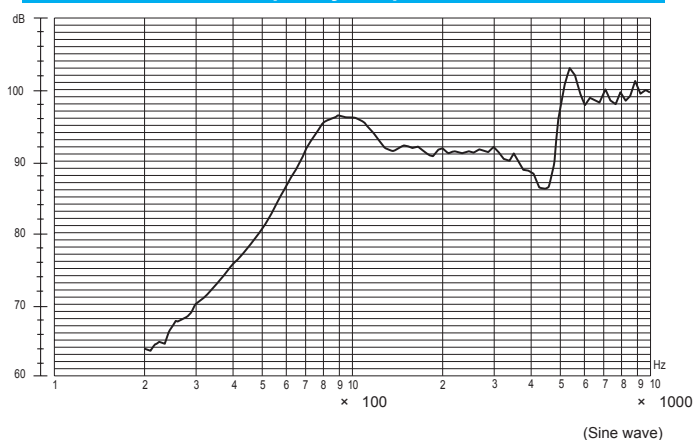
Heat Resistant

Patent

Reflow

Square/Sine Wave Drive

Frequency Response



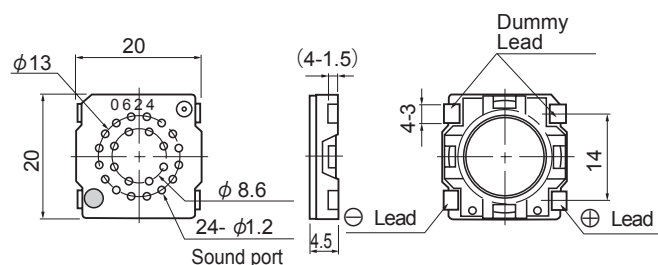
Specifications

Type		SAE-20AH
Nominal Input	(W)	0.8
Max Input	(W)	1.0
Impedance	(Ω)	8±1.6
Resonance Frequency	(Hz)	850±100
※ SPL at MIN10cm	(dBA)	95.5±3
Operating Temperature	(°C)	-40~+85
Preservation Temperature	(°C)	-40~+105
Mass	(g)	3.0

※Value applying rated power(sine wave)

Dimensions [size : 20×20×4.5mm]

unit : mm/housing material : LCP

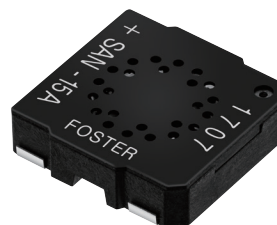


Dynamic Speaker(Non-washable)

SAN

series

Speaker for Automotive



SAN-15A

As for non washable products, dip soldering should not be implemented.

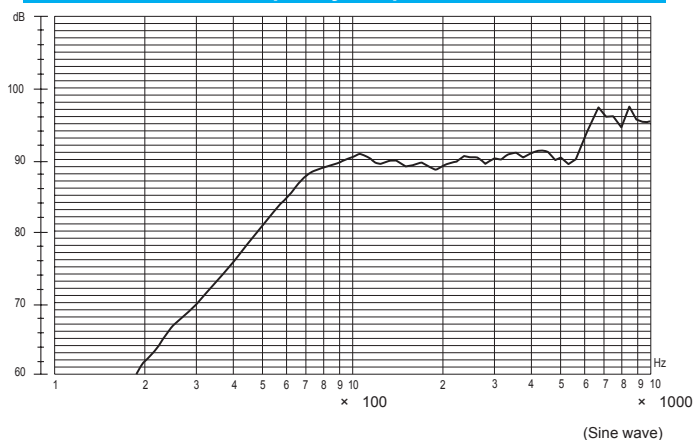
Heat Resistant

Patent

Reflow

Square/Sine Wave Drive

Frequency Response



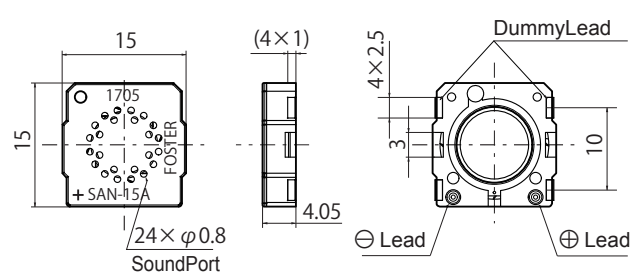
Specifications

Type		SAN-15A
Nominal Input	(W)	0.5
Max Input	(W)	0.8
Impedance	(Ω)	8±1.6
Resonance Frequency	(Hz)	800±100
※ SPL at MIN10cm	(dBA)	90±3
Operating Temperature	(°C)	-30~+85
Preservation Temperature	(°C)	-40~+105
Mass	(g)	1.5

※Value applying rated power(sine wave)

Dimensions [size : 15×15×4mm]

unit : mm/housing material : PA6T



Magnetic Sounder

Non-washable type

Washable type

Magnetic Buzzer

Dynamic Speaker

Technical data

Dynamic Speaker (Non-washable)

SAC-C

series

Speaker for Automotive



SAC-30C

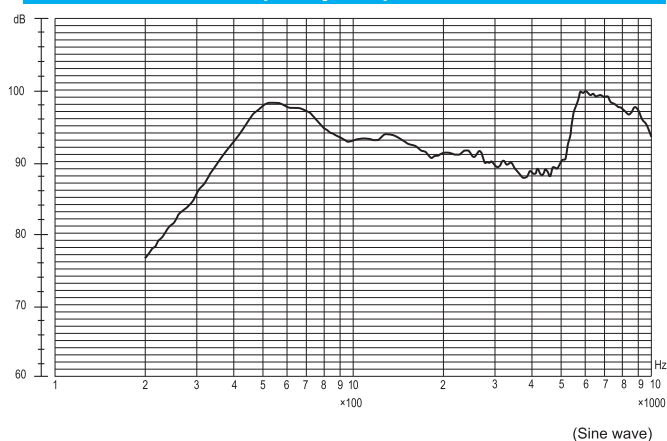
As for non washable products, dip soldering should not be implemented.

Heat Resistant

Patent

Square/Sine Wave Drive

Frequency Response



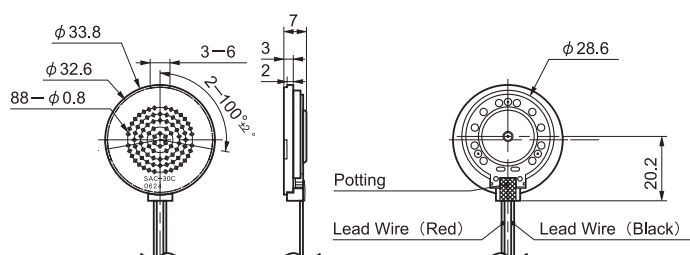
Specifications

Type	SAC-30C	
Nominal Input (W)	0.2	
Max Input (W)	0.2~0.4	
Impedance (Ω)	28±4	
Resonance Frequency (Hz)	—	
※ SPL at MIN10cm (dBA)	≥86	
Operating Temperature (°C)	-40~+105	
Preservation Temperature (°C)	-40~+120	
Mass (g)	8.3	

※Value applying rated power(sine wave)

Dimensions [size : φ 33.8×7mm]

unit : mm./housing material : PP



※Consult us for the details of variation and installation method.

Dynamic Speaker (Non-washable)

SAC-D

series

Speaker for Automotive



SAC-30D

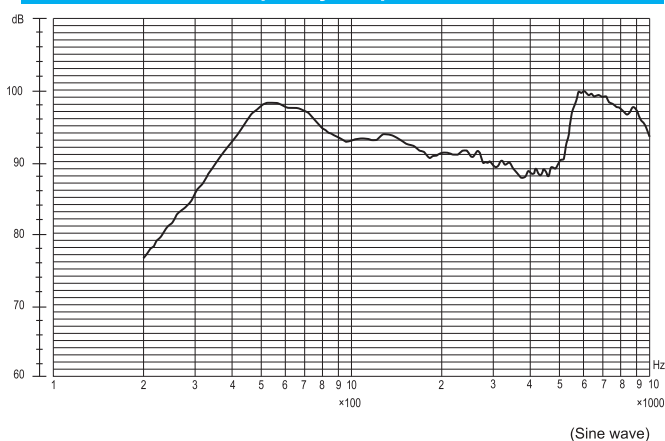
As for non washable products, dip soldering should not be implemented.

Heat Resistant

Patent

Square/Sine Wave Drive

Frequency Response



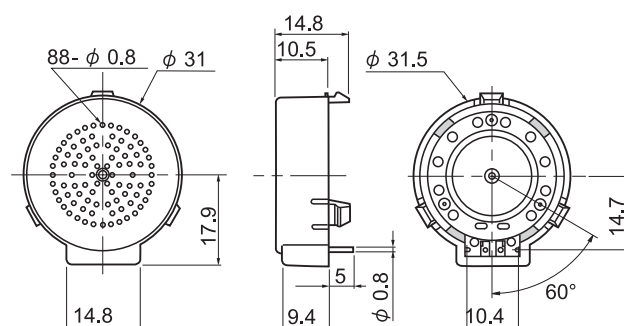
Specifications

Type	SAC-30D	
Nominal Input (W)	0.2	
Max Input (W)	0.2~0.4	
Impedance (Ω)	8±2	
Resonance Frequency (Hz)	—	
※ SPL at MIN10cm (dBA)	≥86	
Operating Temperature (°C)	-40~+105	
Preservation Temperature (°C)	-40~+120	
Mass (g)	8.3	

※Value applying rated power(sine wave)

Dimensions [size : φ 31.5×14.8mm]

unit : mm./housing material : PP



※Consult us for the details of variation and installation method.

Dynamic Speaker (Non-washable)

SAG

series

Speaker for Automotive



SAG-40A

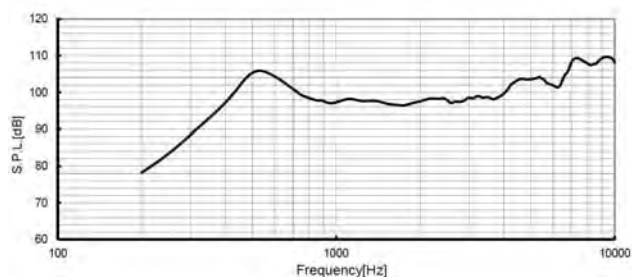
As for non washable products, dip soldering should not be implemented.

Heat Resistant

Patent

Square/Sine Wave Drive

Frequency Response



(Sine wave)

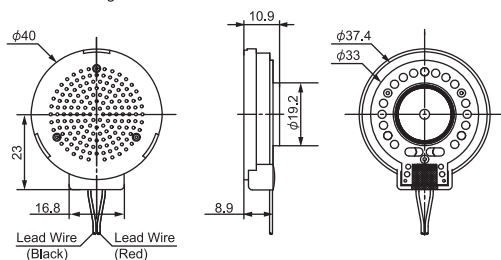
Specifications

Type		SAG-40A
Nominal Input	(W)	0.5
Max Input	(W)	—
Impedance	(Ω)	8±1.2
Resonance Frequency	(Hz)	500 ± 100
※ SPL at MIN10cm	(dBA)	90
Operating Temperature	(°C)	−40~+105
Preservation Temperature	(°C)	−40~+120
Mass	(g)	12

※Value applying rated power(sine wave)

Dimensions [size : φ40×10.9mm]

unit : mm./housing material : PP



※ Consult us for the details of variation and installation method.

SAG-40C



Dynamic Speaker (Non-washable)

SCG

series



SCG-16A

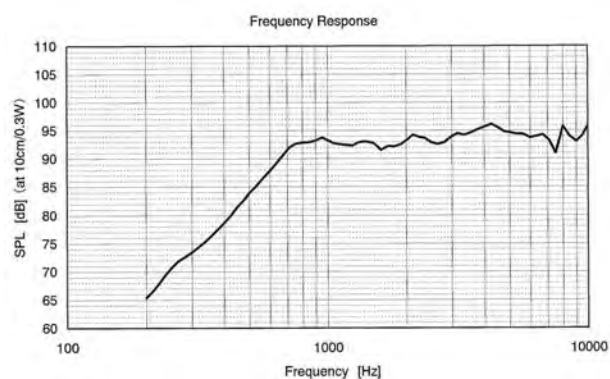
As for non washable products, dip soldering should not be implemented.

Heat Resistant

Patent

Square/Sine Wave Drive

Frequency Response



(Sine wave)

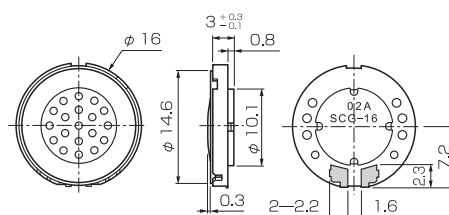
Specifications

Type		SCG-16A
Nominal Input	(W)	0.3
Max Input	(W)	—
Impedance	(Ω)	8±1.2
Resonance Frequency	(Hz)	780±100
※ SPL at MIN10cm	(dBA)	92.5±3
Operating Temperature	(°C)	−30~+70
Preservation Temperature	(°C)	−40~+85
Mass	(g)	1.2

※Value applying rated power(sine wave)

Dimensions [size : φ16×3mm]

unit : mm./housing material : PP



SCG-16B-LS

Gasket + Leaf Spring



Magnetic Sounder

Non-washable type

Washable type

Magnetic Buzzer

Dynamic Speaker

Technical data