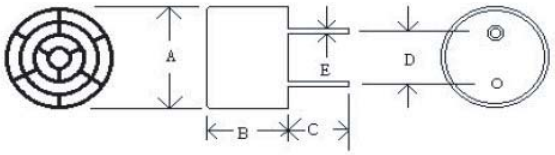
Ultrasonic Sensors

J40T/R- 10P/W
*A *B

Center frequency (KHz)	40±1.0
Sound Pressure Level(dB)	112(min)
Sensitivity(dB)	-69(min)
Capacitance(pf)	1650±30%
Max Driving Votage(V)	20 r.m.s.
Working Temperature(℃)	-20~70
Insulation Resistance	100M Ω(at least)

.Sound Pressure Level:0 db v.s 0.0002μ bar measured at 10 Vrms,30 cm distance
.Sensitivity:0db v.s 1V/μ bar

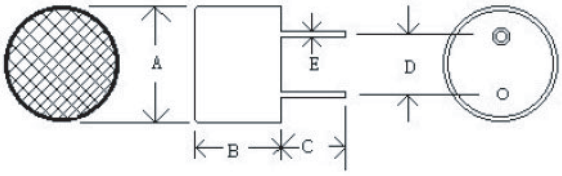


A=9.8±0.2 C=6.9±0.8 E=0.7±0.1
B=6.8±0.4 D=5.0±0.2 (UNIT: mm)

J40T/R- 12B/W
*A *B

Center frequency (KHz)	40±1.0
Sound Pressure Level(dB)	115(min)
Sensitivity(dB)	-67(min)
Capacitance(pf)	1900±30%
Max Driving Votage(V)	30 r.m.s.
Working Temperature(℃)	-20~70
Insulation Resistance	100M Ω(at least)

.Sound Pressure Level:0 db v.s 0.0002μ bar measured at 10 Vrms,30 cm distance
.Sensitivity:0db v.s 1V/μ bar

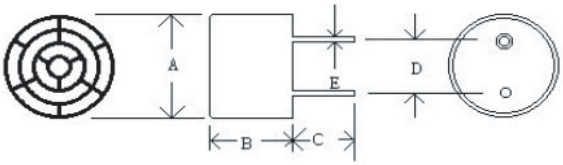


A=12.7±0.2 C=6.2±0.8 E=0.7±0.1
B=9.4±0.4 D=8.5±0.2 (UNIT: mm)

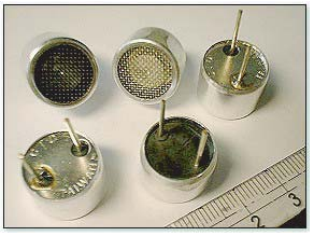
J25T/R- 16P/F
*A *B

Center frequency (KHz)	25±1.0
Sound Pressure Level(dB)	112(min)
Sensitivity(dB)	-65(min)
Capacitance(pf)	1900±30%
Max Driving Votage(V)	30 r.m.s.
Working Temperature(℃)	-20~70
Insulation Resistance	100M Ω(at least)

.Sound Pressure Level:0 db v.s 0.0002μ bar measured at 10 Vrms,30 cm distance
.Sensitivity:0db v.s 1V/μ bar



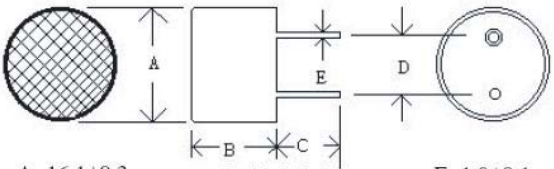
A=16.1±0.3 C= 9.5±1.0 E=1.0±0.1
B=12.0±0.4 D=10.0±0.5 (UNIT: mm)



J33T/R- 16B
*A *B

Center frequency (KHz)	32.8±1.0
Sound Pressure Level(dB)	114(min)
Sensitivity(dB)	-69(min)
Capacitance(pf)	2100±30%
Max Driving Votage(V)	30 r.m.s.
Working Temperature(℃)	-20~70
Insulation Resistance	100M Ω(at least)

.Sound Pressure Level:0 db v.s 0.0002μ bar measured at 10 Vrms,30 cm distance
.Sensitivity:0db v.s 1V/μ bar



A=16.1±0.3 C=11.5±1.0 E=1.0±0.1
B=12.0±0.4 D=10.0±0.5 (UNIT: mm)

.*Remark

A:(1)T:Transmitter (2)R:Receiver(3)C:T&R Combine in one(4)CA:Combine for Auto

B:(1)P:Plastic black case (2)B:Black mesh with aluminum case(3)W:White mesh with aluminum case (4)F:Flower mesh with aluminum case(5)E,S,R:Enclose waterproof type

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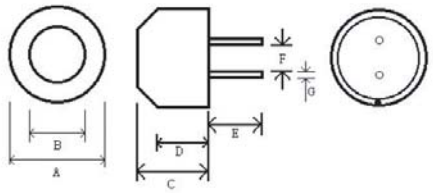
These type of sensors are suitable for outdoor using.

J40CA-18ST
* waterproof type

Center frequency (KHz)	40±1.0
Sound Pressure Level(dB)	106(min)
Sensitivity(dB)	----------
Capacitance(pf)	2150±20%
Directivity(-6db)	90deg
Angle of major lobe	180deg
Ring Time**(ms)	≦1.1
Max Diving Voltage(V)	160
Working Temperature(℃)	-25~75

A=10.0±0.5
B=18.0±0.5
C=12.0±0.5
D=7.0±0.5
E=8.0±1.0
F=7.0±0.5
G=1.0±0.1
Unit: mm

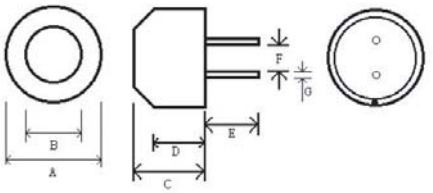


Pin: silver for floating (+)

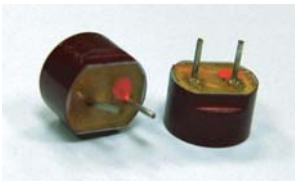
J40CA-18SC
* waterproof type

Center frequency (KHz)	40±1.0
Sound Pressure Level(dB)	104(min)
Sensitivity(dB)	-76min)
Capacitance(pf)	2150±20%
Directivity(-6db)	90deg
Angle of major lobe	180deg
Ring Time**(ms)	≦1.1
Max Diving Voltage(V)	160
Working Temperature(℃)	-25~75

A=10.0±0.5
B=18.0±0.5
C=12.0±0.5
D=7.0±0.5
E=8.0±1.0
F=7.0±0.5
G=1.0±0.1
Unit: mm



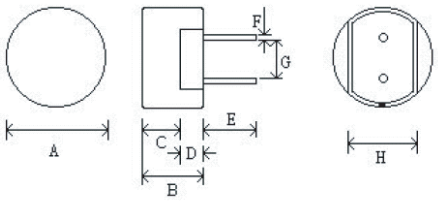
Pin: silver for floating (+)



J40CA-15D

Center frequency (KHz)	40±1.0
Sound Pressure Level(dB)	102(min)
Sensitivity(dB)	-78(min)
Capacitance(pf)	1950±20%
Directivity deg(-6db)wide	120deg
Directivity deg(-6db)narrow	60deg
Ring Time**(ms)	≦1.2
Max Diving Voltage(V)	160
Working Temperature(℃)	-35~85

A=15.0±0.5
B=9.0±0.5
C=6.0±0.5
D=3.0±0.5
E=8.0±1.0
F=1.0±0.1
G=6.0±0.5
H=12.0±0.5
Unit: mm

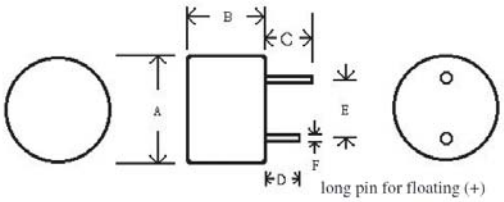


Pin: red for floating (+)

J40CA-25E

Center frequency (KHz)	40±1.0
Sound Pressure Level(dB)	113(min)
Sensitivity(dB)	-72(min)
Directivity(-6db)	30deg
Angle of major lobe	50deg
Ring Time**(ms)	≦1.1
Max Diving Voltage(V)	30
Working Temperature(℃)	-30~80

A=25.0±0.5
B=12.0±0.5
C=8.0±1.0
D=6.0±1.0
E=10.0±1.0
F=1.0±0.1
Unit: mm



long pin for floating (+)

* Sound Pressure Level: 0 dB v.s. 0.0002bar measured at 10Vrms, 30cm distance
* Sensitivity: 0dB v.s. 1V/bar
**Ring time was test with input 120V,40KHz,0.8msec square wave

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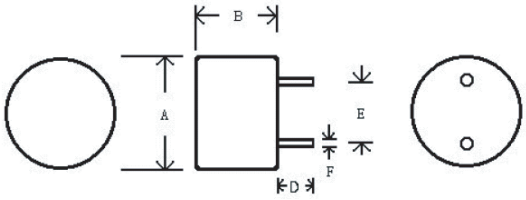
J40T/R-18E

T:Transmitter ,R:Receiver

Nominal frequency (KHz)	40±1.0
Sound Pressure Level(dB)	115(min)
Sensitivity(dB)	-70(min)
Directivity(-6db)	40deg
Angle of major lobe	65deg
Max Diving Voltage(V)	20
Working Temperature(℃)	-30~80

A=18.0±0.5
B=12.0±0.5
D=9.0±1.0
E=10.0±1.0
F=1.0±0.1
Unit: mm

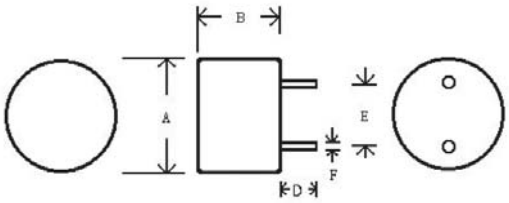


J25T/R-25E

T:Transmitter ,R:Receiver

Nominal frequency (KHz)	25±1.0
Sound Pressure Level(dB)	113(min)
Sensitivity(dB)	-63(min)
Directivity(-6db)	40deg
Max Diving Voltage(V)	20
Working Temperature(℃)	-30~80

A=25.0±0.5
B=12.0±0.5
D=6.0±1.0
E=10.0±1.0
F=1.0±0.1
Unit: mm



The assembly unit for enclose type

JAU-18S85

Wire length/Material	2.5m/UL1185
Housing	Plastic cap
Fixed	Paster
Wire connector	Dupont 2510

*Wire connector and material can replaced by others
*Wire length subject to customer order

JAU-18SDR

Wire length/Material	2.5m/UL1185
Housing	Plastic cap
Fixed	Drilled
Wire connector	Dupont 2510

*Wire connector and material can replaced by others
*Wire length subject to customer order

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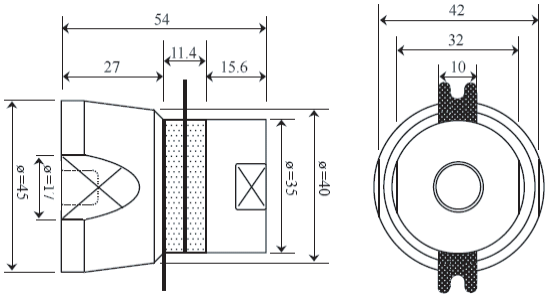
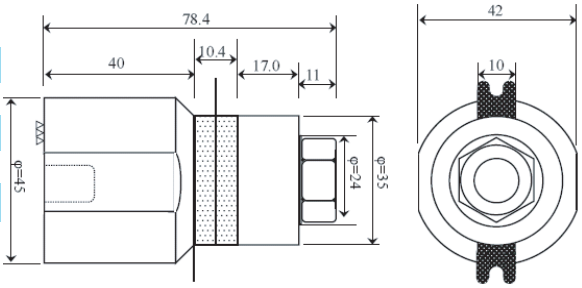
Piezoceramic transducers is a piezoceramic disc for humidifier, beauty, cleaner and fish finder...etc.
Welcome for customer design.

Diameter of Radiating Surface(mm)	45
Diameter of Ceramic Element (mm)	35
Resonant Frequency,f_0(kHz)	40±0.5
Impedance Resonant,Z_m(Ω)	< 35
Static Capacitance,C(pF)	4000±15%
Maximum Allowable Power,P(W)	60
Application	Cleaning



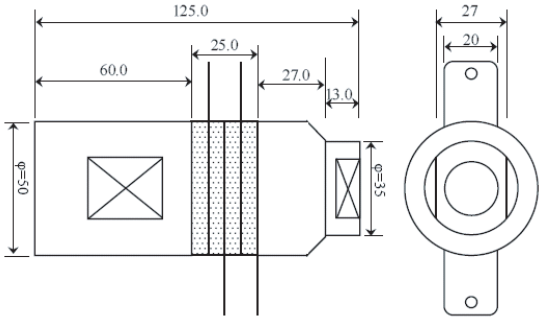
JLB-4540

Diameter of Radiating Surface(mm)	45
Diameter of Ceramic Element (mm)	35
Resonant Frequency,f_0(kHz)	28±0.5
Impedance Resonant,Z_m(Ω)	< 35
Static Capacitance,C(pF)	3600±20%
Maximum Allowable Power,P(W)	60
Application	Cleaning



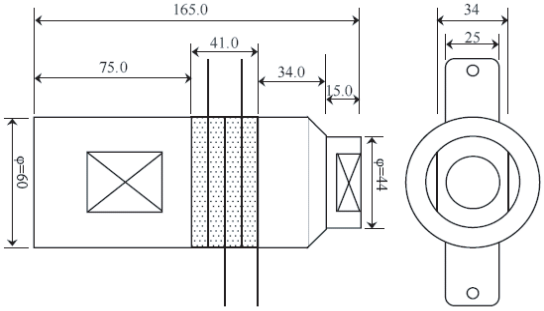
JLB-4528

Diameter of Radiating Surface(mm)	50
Diameter of Ceramic Element (mm)	50
Resonant Frequency,f_0(kHz)	19.6±0.5
Impedance Resonant,IR(MΩ)	$1X10^4$
Static Capacitance,C(pF)	11000±20%
Maximum Allowable Power,P(W)	800
Connection Tap	M20P1.0
Application	Welding



JLB-5020

Diameter of Radiating Surface(mm)	60
Diameter of Ceramic Element (mm)	60
Resonant Frequency,f_0(kHz)	14.7±0.3
Impedance Resonant,IR(MΩ)	$1X10^4$
Static Capacitance,C(pF)	10000±20%
Maximum Allowable Power,P(W)	1500
Connection Tap	M20P1.5
Application	Welding



JLB-6015

* Design Service available for other frequency (14-60KHz) and power ratings.
* Transducers for ultrasonic welding, drilling and de-scaling also available.

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