

- ★ 易于安装
- ★ Easy to fit
- ★ 高可靠性低损耗
- ★ High reliability low power
- ★ 耐高温高湿
- ★ Excellent characteristic against high temperature and humidity

倒车用报警用传感器

Ultrasonic Sensor Use in Automotiv and Reverse Alert

Open Structure

Open Struct

1.Applications

Burglar alarms ,Range Finders, Automatic doors, Remote control

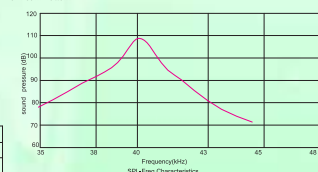
2.Features

- (1) Compact and light weight
- (2) High sensitivity and sound pressure
- (3) lesspower consumption

BPU-1240ROAH9.5-01 & BPU-1240TOAH9.5-01



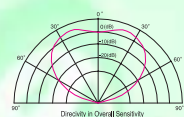
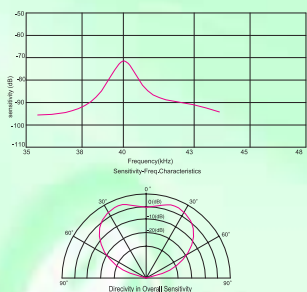
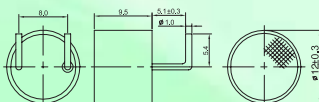
5. Beam Pattern



3.Technical terms

Item	Unit	Specification
Construction		Open struct
Using Method		Dual Use
Center Frequency	Hz	40k
Transmitting Sound Pressure Level	dB	>106(30cm/10Vrms Sine Wave)
Receive Sensitive	dB	> -75dB/V/ μ bar
Directivity	deg	60
Capacitance	pF	2000 $\pm$ 40%at1KHz
Operating Tem.Range	°C	-40 to 85
Detectable Range	m	>3
Allowable Input Voltage	Vp-p	120(40KHz)
Housing Material		Aluminum

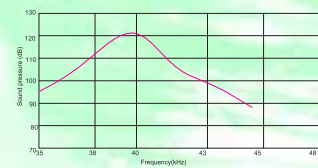
4.Drawing



BPU-1640IOPH12



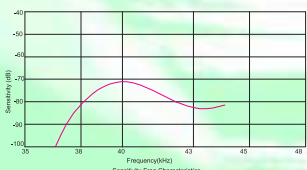
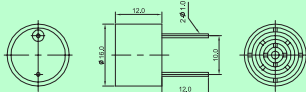
5. Beam Pattern



3.Technical terms

Item	Unit	Specification
Construction		Open Struct
Using Method		Dual Use
Center Frequency	Hz	40k
Transmitting Sound Pressure Level	dB	>112(30cm/10Vrms Sine Wave)
Receive Sensitive	dB	> -74dB/V/ μ bar
Directivity	deg	50
Sensitivity Distance	m	>3
Capacitance	pF	2000 $\pm$ 30% at1KHz
Operating Tem.Range	°C	-30 to 85
Allowable Input Voltage	Vp-p	120(40KHz)
Housing Material		Plastic

4.Drawing



Water-Proof

Water Proof

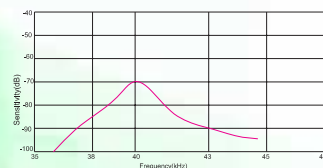
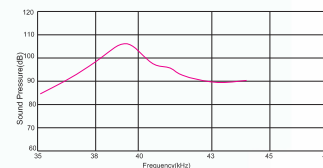
1.Applications

Back sonar of automobiles,Parking meters, Water level meters.

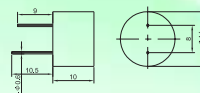
2.Features

- (1) Compact and light weight
- (2) High sensitivity and sound pressure
- (3) lesspower consumption

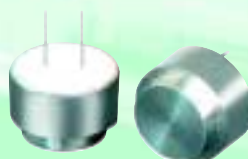
BPU-1440IFAH10



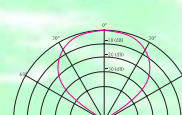
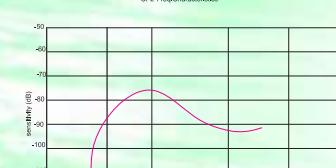
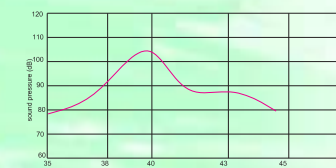
Item	Unit	Specification
Construction		Water Proof
Using Method		Dual Use
Center Frequency	Hz	40k
Transmitting Sound Pressure Level	dB	$\geq$ 100(30cm/10Vrms Sine Wave)
Receive Sensitive	dB	$\geq$ -65dB/V/ μ bar
Directivity	deg	75
Capacitance	pF	2000 $\pm$ 20% at1KHz
Operating Tem.Range	°C	-30 to 85
Detectable Range	m	0.2 ~ 4
Allowable Input Voltage	Vp-p	120(40KHz)
Housing Material		Aluminum



BPU-1640IFAH10.5S



5. Beam Pattern



3.Technical terms

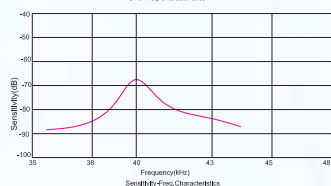
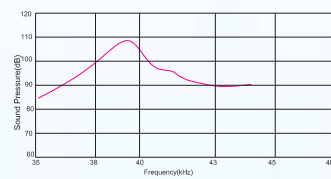
Item	Unit	Specification
Construction		Water Proof
Using Method		Dual Use
Center Frequency	Hz	40k
Transmitting Sound Pressure Level	dB	$\geq$ 100(30cm/10Vrms Sine Wave)
Receive Sensitive	dB	$\geq$ -75dB/V/ μ bar
Directivity	deg	75
Capacitance	pF	2000 $\pm$ 20% at1KHz
Operating Tem.Range	°C	-40 to 85
Allowable Input Voltage	Vp-p	100(40KHz)
Detectable Range	m	0.2 ~ 4
Housing Material		Aluminum



BPU-1840IFA12



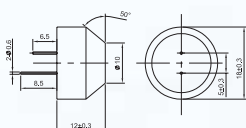
5. Beam Pattern



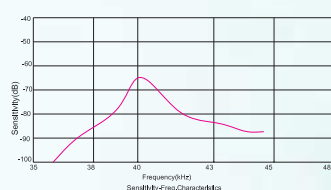
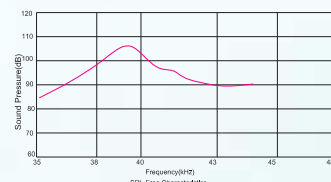
3. Technical terms

Item	Unit	Specification
Construction		Water Proof
Using Method		Dual Use
Center Frequency	Hz	40k
Transmitting Sound Pressure Level	dB	≥100(30cm/10Vrms Sine Wave)
Receive Sensitive	dB	≥-74dB/V/μ bar
Directivity	deg	92
Capacitance	pF	2000 ±20% at 1KHz
Operating Temp. Range	°C	-30 to 85
Detectable Range	m	0.2 ~ 4
Allowable Input Voltage	Vp-p	120(40KHz)
Housing Material		Aluminum

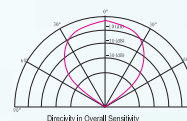
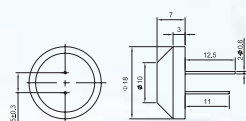
4. Drawing



BPU-1840IFA-07



Item	Unit	Specification
Construction		Water Proof
Using Method		Dual Use
Center Frequency	Hz	40k
Transmitting Sound Pressure Level	dB	≥100(30cm/10Vrms Sine Wave)
Receive Sensitive	dB	≥-74dB/V/μ bar
Directivity	deg	92
Capacitance	pF	2000 ±20% at 1KHz
Operating Temp. Range	°C	-40 to 85
Detectable Range	m	0.2 ~ 4
Allowable Input Voltage	Vp-p	120(40KHz)
Housing Material		Aluminum

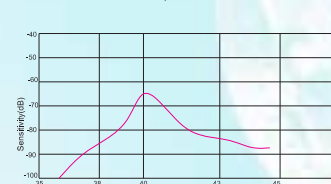
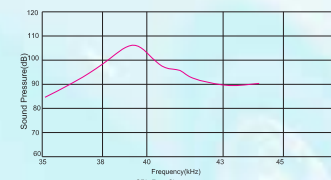


Dual-angle Ultrasonic Sensor

BPU-1840IFA14S



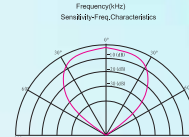
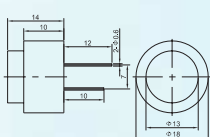
5. Beam Pattern



3. Technical terms

Item	Unit	Specification
Construction		Water Proof
Using Method		Dual Use
Center Frequency	Hz	40k
Transmitting Sound Pressure Level	dB	≥100(30cm/10Vrms Sine Wave)
Receive Sensitive	dB	≥-75dB/V/μ bar
Directivity	deg	80
Capacitance	pF	2000 ±20% at 1KHz
Operating Temp. Range	°C	-40 to 85
Detectable Range	m	0.2 ~ 4
Allowable Input Voltage	Vp-p	120(40KHz)
Housing Material		Aluminum

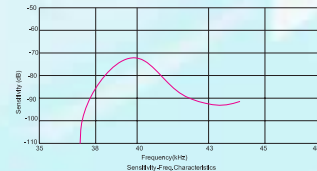
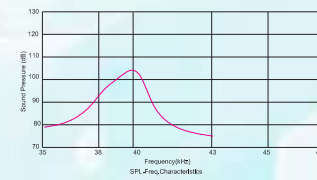
4. Drawing



BPU-1640IFA10-01



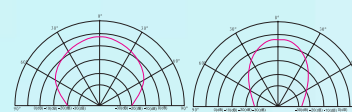
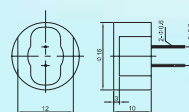
5. Beam Pattern



1. Technical terms

Item	Unit	Specification
Construction		Water Proof
Using Method		Dual Use
Center Frequency	Hz	40k
Transmitting Sound Pressure Level	dB	≥100(30cm/10Vrms Sine Wave)
Receive Sensitive	mV/p-p	≥1
Directivity	deg	90
Capacitance	pF	2000 ±20% at 1KHz
Operating Temp. Range	°C	-40 to 100
Detectable Range	mm	60
Allowable Input Voltage	Vp-p	140(40KHz)
Housing Material		Aluminum

2. Drawing



SIEMENS	Produkt- und Prozessaudit Product and Process Audit	Blatt 1 von 1
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Verteiler:		
Distributor:	DIGISOUND	Mr. Horowitz
	BeStar	Mr. Wu
	SIEMENS AG	
Unternehmen:		
Company:	BeStar Electronics Industry Co., Ltd.	
	4/F., 8 site	
	Tian-An Industry Park, Changzhou High New Tech Development District	
	Jiangsu 213022	
	China	
Auditgegenstand/Produkt/Prozess:	Manufacturing Process of Receiver "C38013-D3-C73"	
Product/Process to be audited:	Usage: Optipoint Sprint	
Anderungsstand:	Rev. 0	
Auditort:	Setzen Date:	Unterzeichnet/Signature:
Auditort company:	2005-08-19	BeStar, Mr. Wu
Auditort:	2005-08-19	
Anlass des Audits: ☐ SIC ☐ PRPF ☐ PRPS ☐ PRS ☒ Andere (Other): ☐		
Reason for audit:		
Ergebnis des Produkt- und Prozessaudits: E = 89%		
Result of the product/process audit		
Ergebnis des Produkt- und Prozessaudits, Spezifische Einrichtungen (Teil B): E = 83%		
Result of the product/process audit, Specific equipments (part B)		
Zusammenfassende Beurteilung (Concluding assessment):		
The manufacturing process was well prepared and showed only minor deviations, which shall be improved as defined.		
A well correlation between the given documentation and the on process can be stated.		
BeStar is able to fulfil the quality requirements of SIEMENS ICM CP.		
With an overall result of 89% BeStar is ranked as an AB supplier.		
Dieser Bericht besteht aus 19 Seiten.		
Ausgabedatum des Berichts: 2005-08-19		
This report consists of 19 pages		
Distributiondatum dieses Reports: 2005-08-19		



SIEMENS VDO	Process Audit Digisound Buzzer DGX
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Final Audit Result and Agreement	
The production line of BeStar Electronics Industry Co., Ltd. (High-Tech District, Tian-An Industry Park B Site, Changzhou, Jiangsu Province P.R. of China)	
is able to fulfil the quality requirements of SIEMENS VDO.	
The overall result of BeStar line is: AB with 83%	
In the final meeting with all audit participants all relevant aspects of the system The actions of this plan shall be done before release. Action schedule shall be submitted within the next 4 weeks.	
Mr. Wu General Manager 2005-08-19	Mr. Horowitz Auditor 2005-08-19

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江苏省高新技术企业

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//www.be-star.cn