



# SPECIFICATION OF PRODUCT 承认书

CUSTOMER:	
DESCRIPTION:	Magnetic Buzzer
ILOSAM P/N: _	ISM-9045F
CUSTOMER P/N:	
DATE:	2018-8-28

CUSTOMER	APPROVER	CHECKER
	Yunqing Wu	Bing Yan

# ILOSAM ELECTRONICS CO., LTD.

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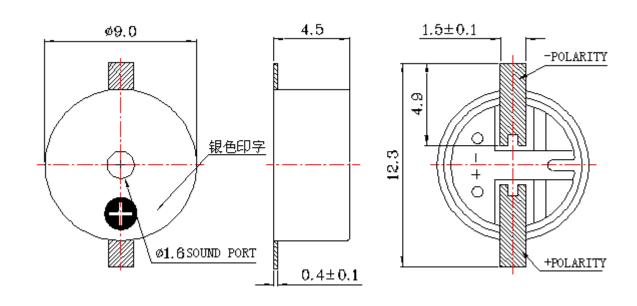
SITE: WWW.ILOSAM.COM



### 1.SPECIFICATION 规格

No.	ltem	Unit	Specification		Condition
			ISM-9045F-16R	ISM-9045F-32R	Condition
1	Oscillation Frequency	Hz	2	700	Vo-p=1/2duty , square wave
2	Operating Voltage	Vo-р	2~4	4~7	
3	Rated Voltage	Vo-p	3.0	5.0	
4	Current Consumption	mA	MAX. 80		at Rated Voltage
5	Sound Pressure Level	dB	MIN. 80	MIN. 85	at 10cm at Rated Voltage
6	Coil Resistance	Ω	16±3	32 <b>±</b> 3	
7	Operating Temperature	°C	-20	~ +70	
8	Storage Temperature	°C	-40	~ +80	
9	Dimension	mm	9 x H4.5		See appearance drawing
10	Weight (MAX)	gram	0.8		
11	Housing Material		LCP(	Black)	
12	Leading Pin		Tin Plated Brass(Sn)		See appearance drawing
13	Environmental Protection Regulation		RoHS		

#### 2. APPEARANCE DRAWING 尺寸图



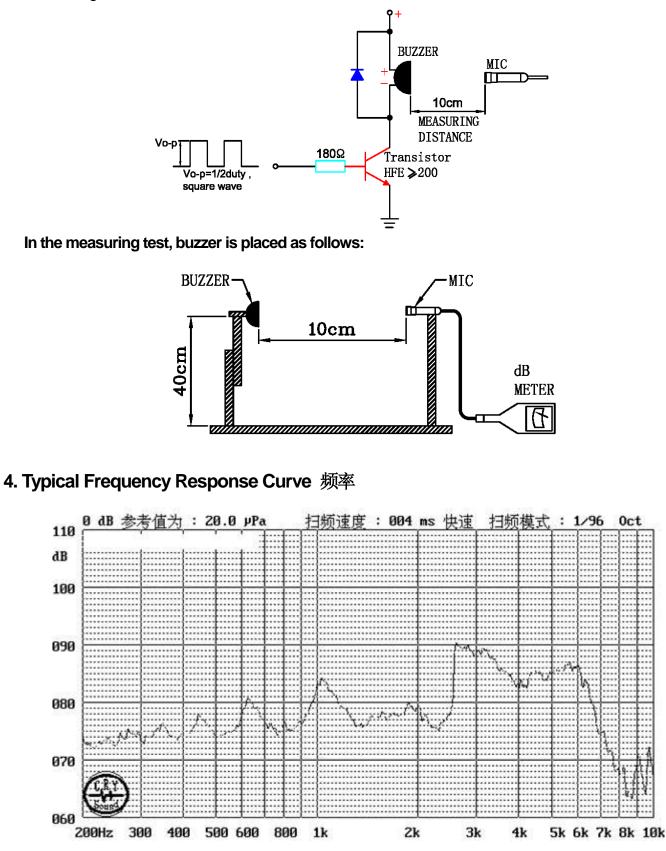
#### 3.TESTING METHOD 测量方式

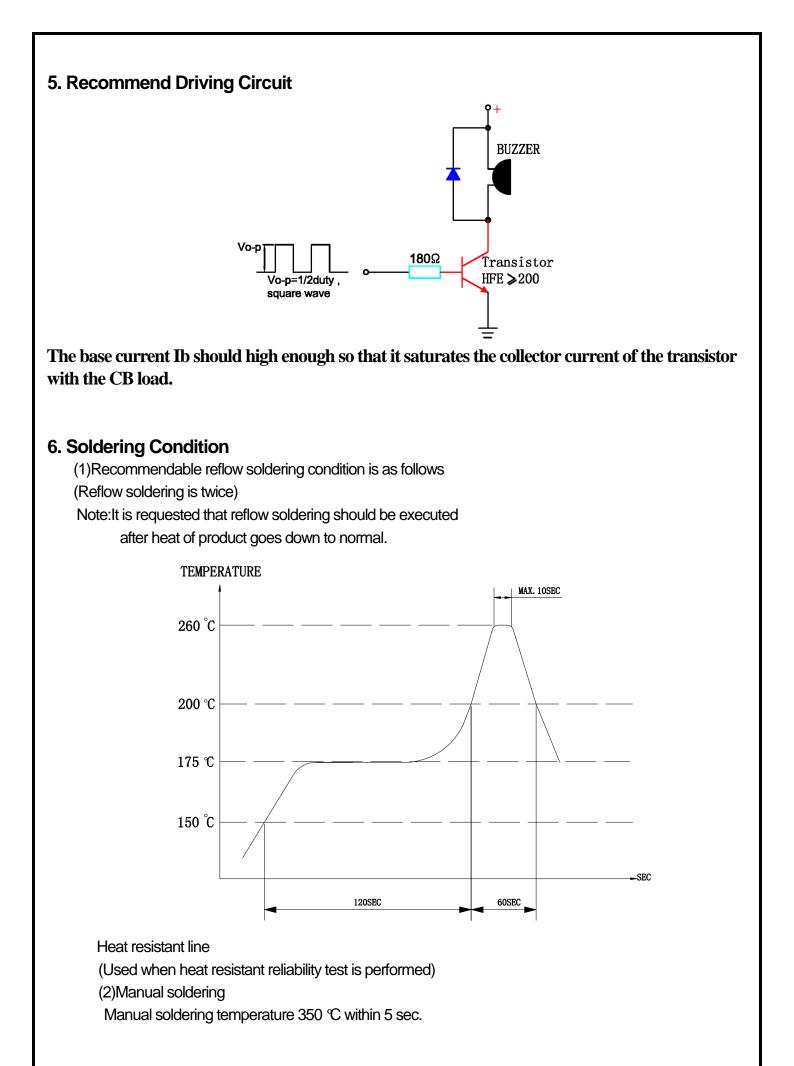
#### **Standard Measurement conditions**

Temperature:25±2°C Humidity:45-65%

#### Acoustic Characteristics:

The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below





## 7. RELIABILITY TEST 可靠性测试

1	High Temperature	After being placed in a chember with 90 29° for 06 hours and then			
1	Test (Storage)	After being placed in a chamber with 80 2°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.			
2	Low Temperature Test (Storage)	After being Placed in a chamber with -30 2°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.			
3	Humidity Test	After being Placed in a chamber with 90-95% R.H. at 40 2°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.			
4	Temperature Cycle Test	$+70^{\circ}C$ $+25^{\circ}C$ $+25^{\circ}C$ $-20^{\circ}C$ $0.5hr$ $0.5 - 0.5$ $0.5$			
5	Drop Test	Drop on a hard wood board of 4cm thick, any directions ,6 times, at the height of 75cm . Allowable variation of SPL after test: 10dB.			
6	Vibration Test	After being applied vibration of amplitude of 1.5mm with 10 to 55 Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours . Allowable variation of SPL after test: 10dB.			
7	Solderability Test	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of +300 5°C for 3 1 seconds . 90% min. lead terminals shall be wet with solder (Except the edge of terminals).			
8	Terminal Strength Pulling Test	The force of 9.8N(1.0kg) is applied to each terminal in axial direction for 10 seconds. No visible damage and cutting off.			

