



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.

906-907 ROOM,184 GASAN DIGITAL 2ROAD,GUEMCHUN-GU,SEOUL,KOREA

TEL:82-2-2615-0158

FAX:82-2-2615-1043

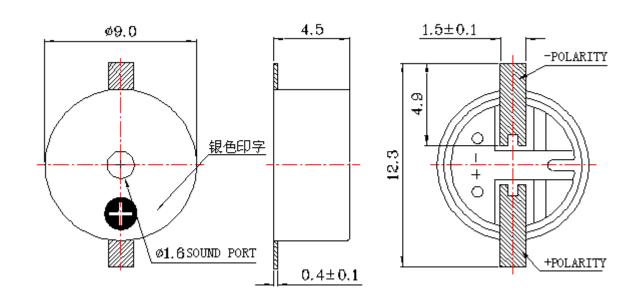
SITE: WWW.ILOSAM.COM



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 ± 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



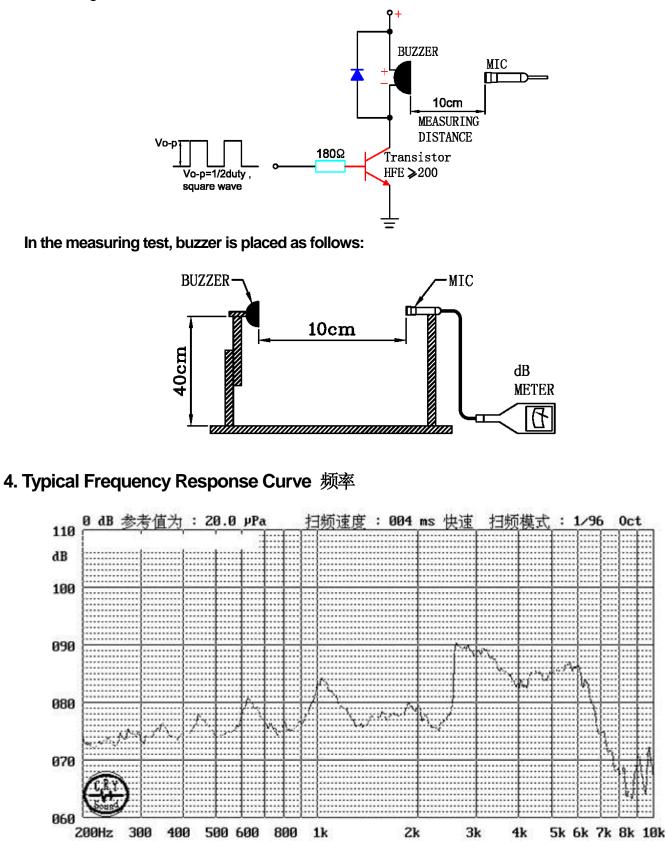
3.TESTING METHOD 测量方式

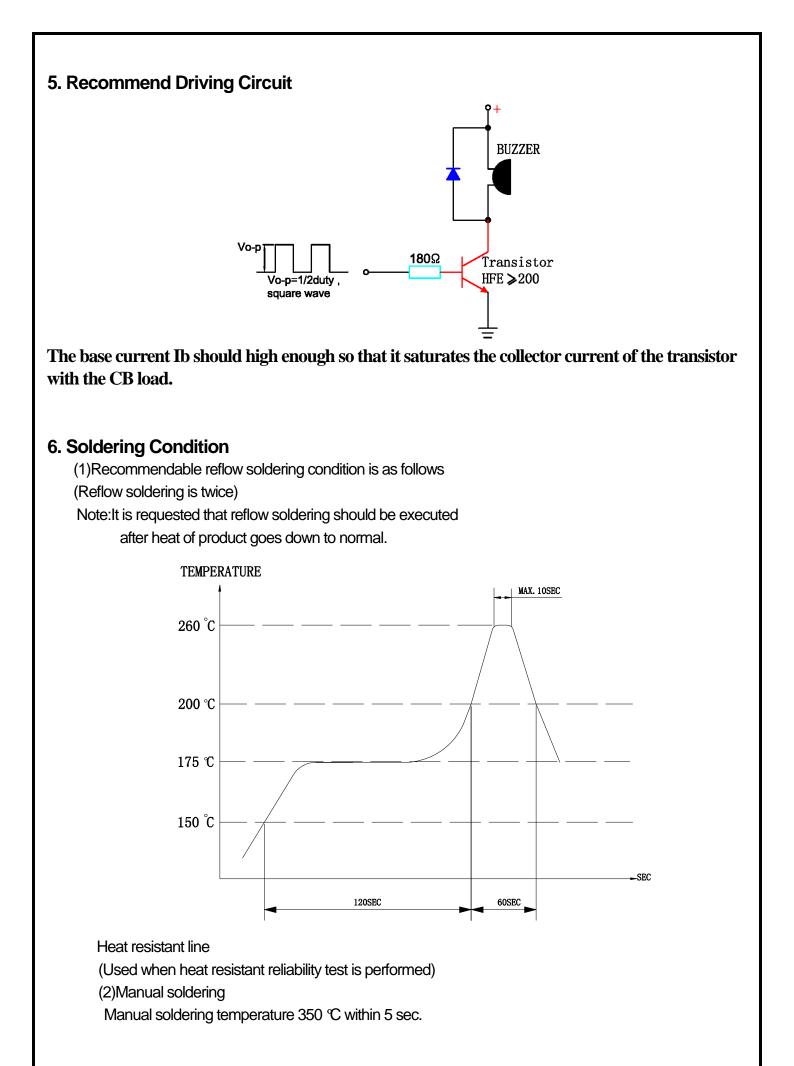
Standard Measurement conditions

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.			

