## SPECIFICATION SHEET FOR APPROVAL

MULTI-FUNCTIONAL TRANSDUCER (2 MODES: RECEIVER & SPEAKER)

CUSTOMER:

MODEL NUMBER: M2850-8B-0L03R (Φ28mm 8Ω 0.5W)

CUSTOMER PART NUMBER:

	DESIGNED	CHECKED	APPROVED
SIGNATURE	AricZhu	朱尚书	
DATE	2011-7-5	2011-7-5	

CUSTOMER CONFIRMATION	
SIGNATURE:	
DATE:	

	P2/5							
MODEL NO.	0. M2850-8B-0L03R UPDATE V00 ISSUED DATE 2011-7-5							
1. SCOPE This specification cover our product of mylar speaker unit for use in DVD, telephone, alarm system and calling system.								
2. ELECTRICAL ANDACOUSTICAL CHARACTERISTIC								

2. 1 SOU Sound pre specif Mea Mea	ND PRES ssure leve fied freque sure Conc surement	SSURE L l shall be i ency range dition: sin Circuit: s	EVEL (S.P ndicated by . 93±3 dB a swept meas hown in Fig	<b>P.L</b> ) the me t <b>1200</b> suremen g. 2.	an value of those <b>1500、1800、</b> at at <b>0.1W</b> on axi	e measured at th 2000 Hz in ave s at <b>0.1M</b>	ie rage.	
<ol> <li>2 RESONANCE FREQUENCY(FO):680±20%Hz at 1V.(NO Baffle ) Measurement Circuit:Shown in Fig.2.</li> </ol>								
2. 3 RAT Mea Mea	ED IMPE asure Con- asurement	EDANCE: dition:the Circuit: s	8±20% Ω impedance shown in Fi	(at 1KH respons g. 2.	Iz, 1V) se is measured w	ith Mylar speal	er.	
2. 4 FRE Free Free	QUENCY quency R juency R	RANGE esponse ( esponse M	: Fo~10KH Curve:Shov leasuremen	Iz (Dev vn in Fig nt Circu	riation 10dB from g.3.Whit IEC Ba <b>iit:</b> Shown in Fig	n average S.P.L ffle plate. g.2.	.)	
2. 5 RAT	ED INPU	T POWE	CR (CONT	INUUN	<b>A): 0.25W</b>			
2. 6 MAX Testing w with r	<b>INPUT</b> ill be done no degrada	<b>POWER</b> using IEC tion in per	( <b>SHORT-</b> C filter with formance.	<b>TERM</b> white n	): 0.5W oise source for 1	minute		
2. 7 <b>TOTAL HARMONIC DISTORTION:</b> Less than 5% at 1KHz, <b>0.25W</b> Measurement Circuit:Shown in Fig.2.								
2. 8 <b>OPERATION:</b> Must be normal at sine wave and program source <b>0.5W</b>								
2. 9 <b>POI</b>	LARITY:	When a po	ositive DC c	current i	s applied to the t	erminal 80.0 5	v	
	n	narked(+),	Diaphragm	shall m	ove forward. Ma	king:		
2. 10 <b>PUI</b> Bu	<b>RE SOUN</b> zz,Rattle,e	D DETE	CTION: not be audi	ble at <b>2</b> .	<b>8</b> VRMS sine wa	ave from <b>Fo</b> ~ '	KHz.	
NO	DATE	UPD	ATE	DESIGNED		CHECKED	APPROVED	
1				A	ricZhu	朱尚书		
2								
		SPE	ECIFICA	ATIO	N		P3/5	
		D 01 02D	LIPDATE	V00	ISSUED DATE	2011 7 5		
MODEL NO.	M2850-8	B-0L03K	OIDINE		ISSUED DATE	2011-7-3		
MODEL NO. <b>3. DIMENS</b> Unless other	M2850-8 SIONS (Fi wise speci	<b>g.1</b> )	nce: ±0.3 (u	ınit: mn	1)	2011-7-3		
MODEL NO. <b>3. DIMENS</b> Unless other	M2850-8 SIONS (Fi wise speci	g.1)	nce: ±0.3 (u	ınit: mm	1)	2011-7-3		
MODEL NO. 3. DIMENS Unless other	M2850-8 SIONS (Fi wise speci	g.1)	nce: ±0.3 (t	ınit: mn	n)	2011-7-3		
MODEL NO. 3. DIMENS Unless other	M2850-8 SIONS (Fi wise speci	g.1)	nce: ±0.3 (t	unit: mn	n)	2011-7-3		
MODEL NO. 3. DIMENS Unless other	M2850-8 SIONS (Fi wise speci	g.1) ffied, tolera	nce: ±0.3 (u	unit: mm	1)	2011-7-3		
MODEL NO. 3. DIMENS Unless other	M2850-8 SIONS (Fi wise speci	g.1) ffied, tolera	nce: ±0.3 (u	unit: mn	1)	2011-1-3		
MODEL NO. <b>3. DIMENS</b> Unless other	M2850-8 SIONS (Fi wise speci	g.1) ffied, tolera	nce: ±0.3 (v	unit: mn	1)	2011-1-3		
MODEL NO. <b>3. DIMENS</b> Unless other	M2850-8	g.1) ffied, tolera	nce: ±0.3 (u	unit: mn	1)	2011-1-3		
MODEL NO. 3. DIMENS Unless other	M2850-8	g.1) ffied, tolera	nce: ±0.3 (u	unit: mn	1)	2011-1-3		



NO	DATE	UPD	ATE	DE	SIGNED	CHECKED	APPROVED		
1				Ar	ricZhu	朱尚书			
2		SPI	ECIFICA	ATIO	N		P5/5		
MODEL NO.	M2850-8	B-0L03R	UPDATE	V00	ISSUED DATE	2011-7-5			
7.1 HIC High ten	The sound pressure as specified shall neither deviate more than ±3dB from the initial value, nor any significant damage after any of following testing. 7.1 HIGH TEMPERATURE TEST								
Durat 7.2 LO	ion: W TEMPI perature :	96 h ERATUR -20	ours E TEST )±2°C						
Duration:     24 hours       7.3 HEAT SHOCK TEST (See in Fig.6)									
Low tem Changeo	perature: ver time:	-2( <3	)±2°C 80 seconds						
Duration Cycle 7 4 HI	: :: MIDITY '	45 minu 10 FEST	ites						
Temperat Relative	ure: humidity:	+20± 90	2°C ∼95%						
Durat 7.5 TE Tempera	ion: MPERAT ture:	24 h URE CY( -20°C	ours CLE TEST CLE +55°	С					
Duration Tempera	Duration: 45 minutes Temperature gradient: 1~3°C/min.								
<b>7.6 DR</b> Height:	Cycle:         10           7.6 DROP TEST         1.0 m								
Cycle: <b>7.7 LO</b>	Cycle: 6 (1 each plain) onto the concrete board								
Speaker mode: White noise (EIA filter) for <b>96 hours</b> @ <b>1.0W</b> input power @ <b>20-20KHz</b> .									
NO	DATE	UPD	ATE	DE	SIGNED	CHECKED	APPROVED		
1				Ar	ricZhu	朱尚书			
2									

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