

SAMPLE APPROVAL

PART NUMBER: MD030B0A-EEN050

DESCRIPTIONS: Mylar Speaker, 50 Ohm, 0.3W

SUMMARY: DIMENSIONS: Diam.30mm, Height 4.2mm

STRUCTURE: Low profile internal magnet metal frame

DIAPHRAGM: PET

REMARKS: 1. Production No. MD30B-RB2650

2. with RoHS compliance

CONTENTS: 1. SPECIFICATION

2. FREQUENCY RESPONSE CURVE

3. DRAWINGS

ISSUED BY:

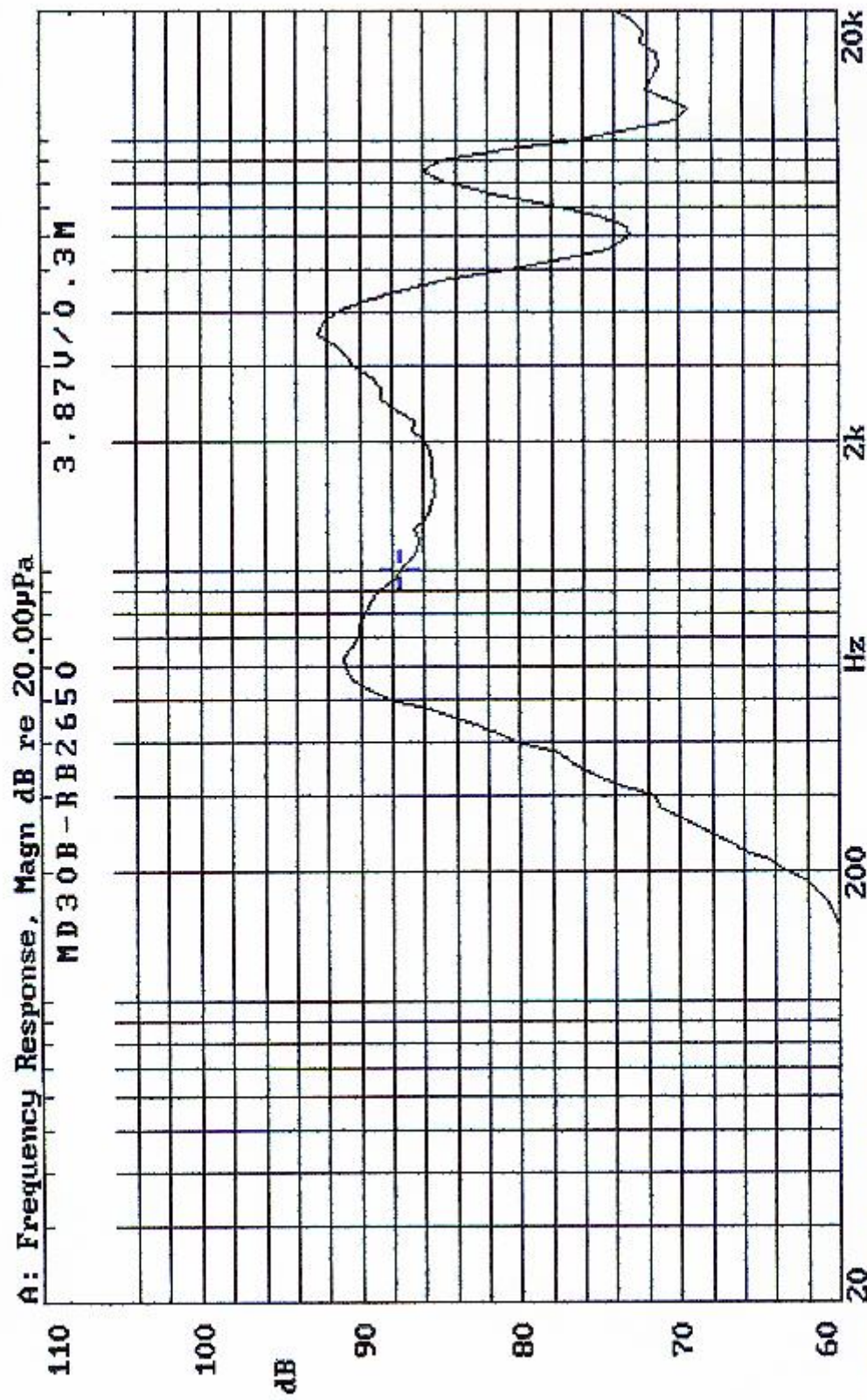
APPROVED BY:

SPECIFICATION

NO. WBN-COP03-FOR/03 A/1

PRODUCTION P/N		MD30B-RB2650		DIMENSIONS		Φ30×4.2H		NET WEIGHT		7.0g	
No.	ITEMS		SPECIFICATION			TESTING CONDITIONS					
1	RATED IMPEDANCE		50 Ω ± 15 %								
2	RATED RESONANT FREQUENCY (f ₀)		600Hz ± 20 %			1.0 V					
3	RATED CHARACTERISTIC SENSITIVITY GRADE		86±3dB 0.3 m At 1000,1200,1500,2000 Hz Average			AT 1000 Hz 3. 87 V					
4	RATED FREQUENCY RANGE		f ₀ ~ 4500 Hz			AT 1000 Hz 3. 87 V					
5	RATED HARMONIC DISTORTION		< 7 % 1m/1W At f ₀ ~ 4500 Hz			AT 1000 Hz 2. 12 V					
6	APPEARANCE		NORMAL			@ A.T. 15~35℃, H.M. 25~75%, B.P. 85~106kPa					
7	BUZZES & RATTLES		NO APPEARANCE			@ 0.3m with SIN wave input/rated noise power 3. 87 V					
8	RATED NOISE POWER		0. 3 W			@ Rated noise voltage operating continuously for 100 hours 3. 87 V					
9	RATED LONG-TERM MAXIMUM POWER		0. 5W			@ Simulant program signal for 1 min on & 2 min off, cycling for 10 times 5. 0 V					
10	HIGH-TEMPERATURE LOADING & STORAGE		Meet requirements of appearance、buzzes & rattles after test			@ ¼ rated noise voltage/80±2℃ operating for 16 hours then depositing for 2 hours at constant temperature, completing testing within 1 hour after withdrawing 1. 9 V					
11	STATIC HUMIDITY/TEMPERATURE		Meet requirements of appearance、buzzes & rattles、insulation resistance、bearing voltage after test			@ A.T. 40±2℃, H.M.93 ⁺² ₋₃ % depositing for 48 hours, then resuming @ normal atmosphere conditions (GB/T9396-1996 4.2) for 24 hours					
12	LOW-TEMPERATURE LOADING & STORAGE		Meet requirements of appearance、buzzes & rattles solderability after test			@ ¼ rated noise voltage/-10±3℃ operating for 1 hours, depositing @ -25±3℃ for 2 hours, then resuming at normal atmosphere conditions (GB/T 9396-1996 4.2) for 4 hours 1. 9 V					
13	SCANNING VIBRATION					(GB/T 9397-1996-4.5.1)					
14	SLIDING SHOCK					(GB/T 9397-1996 4.5.2)					
15	COLLISION					(GB/T9397-1996 4.5.3)					
16	FREE FALLING					(GB/T 9397-1996 4.5.4)					
17	INSULATION RESISTANCE		> 1 M Ω			@ 100V±10% D.C.					
18	BEARING VOLTAGE		NO APPEARANCES OF SHORT AND/OR STRIKING			@ 100V/50Hz A.C. for 1 min.					
19	SOLDERABILITY		NORMAL			@ Normal atmosphere conditions (GB/T 9396-1996 4.2)					
MEMO:											
DESIGN			AUDIT			APPROVE			CONTROL		

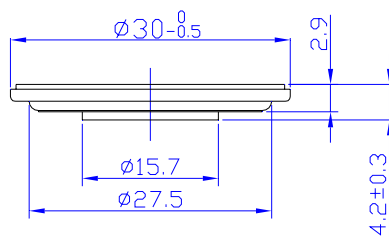
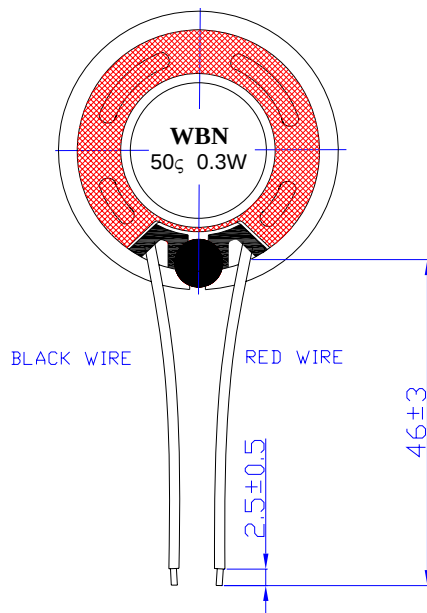
X:1.0000kHz *Y:87.58dB ZA:Live Curve SSR Fund.



06-JUL-2006 17:10:29

Mode: SPEAKER





WIRE SPEC: 5/0.8 RED/BLACK

Drawn by	Designed by	Checked by	Approved by	Date	Scale
				2006. 7. 07	1.5:1
MD30B-RB2650				Edition A	Sheet 1-1
				SHENZHEN WABONY ELECTRONIC CO., LTD	