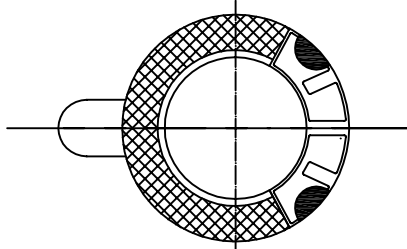
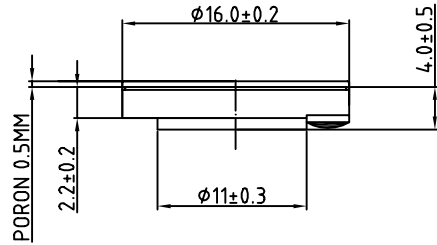
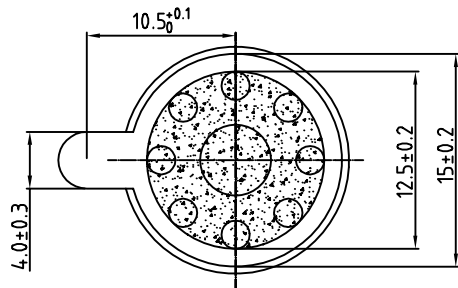


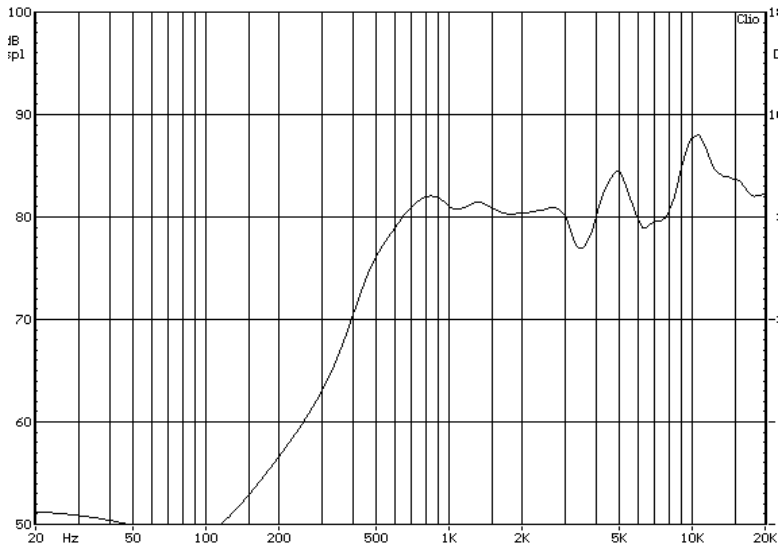
Rev	Date	ID	Description
0.0	25-Jan-07	RS	Original Drawing
1.0	2-Oct-07	RC	Updated mechanical dimensions
1.1	12-Oct-07	RS	Updated mechanical dimensions



Markings:
 U0016016NM37BAR
 STETRON
 YYWW

Text Colour: Black
 YY Indicates year,
 WW indicates week

Typical Frequency Response



ITEM	SPECIFICATION	REMARKS
1	Dimensions	ø16x4.5mm
2	Impedance	16Ω ±15%
3	Input Power	0.5W/0.8W
4	Lowest Resonant Frequency, F ₀	900Hz ±20%
5	Sensitivity	81dB ±3dB
6	Effective Frequency Range	F ₀ to 15kHz
7	Total Harmonic Distortion	max. 15% max. 10%
8	Magnet Dimension	Ø7.5 x 1.0 mm
TESTS		
9	Operation Test	EIA white noise of 0.5W is applied for 96h.
10	Max. Input Power	The speaker shall be exposed to EIA white noise of 0.8 W for 1min.
11	Buzz & Rattle Test	2.83V sinusoidal input swept from F ₀ to 15kHz
12	Polarity	A positive DC current is applied to the terminal marked +
13	Vibration (no box)	10 sweeps of 3 minute duration from 10Hz-30Hz-10Hz (Double Amplitude – 0.55mm) 10 sweeps of 3 minute duration from 30Hz-55Hz-30Hz (Double Amplitude – 0.55mm)
14	Drop Test (in box)	Speakers properly packaged in their shipping carton are dropped on each side of the carton except the top from a height of 80cm (carton GW≤10kg) or 60cm (10kg<carton GW≤25kg)
15	Shock/Impact (no box)	The part shall be exposed to an impact force of 100m/s ² (10G), 1000±10x
16	High Temperature Exposure	The speaker shall be exposed to 60±2°C, 50%RH for 96h with a 1h rest at room
17	Humidity Exposure	The speaker shall be exposed to 40±3°C, 92%RH for 96h with a 1h rest at room

Notes:

All dimensions in mm

RoHS compliant & added 'R' to p/n

QB04033-V6



Stetron International Inc.

Loudspeaker : 0.5 W, Nd-Fe-B magnet
 ø16x4.5 mm, 16 Ω, Mylar cone, Plastic frame, Black colour, RoHS compliant

SIZE	DRAWN BY	PART No.	
A	RS	U0016016NM37BAR	
SCALE	N/A	DATE	SHEET
		12-Oct-07	1 of 1
REV	1.1	DWG No. / FILE	DB07-011