

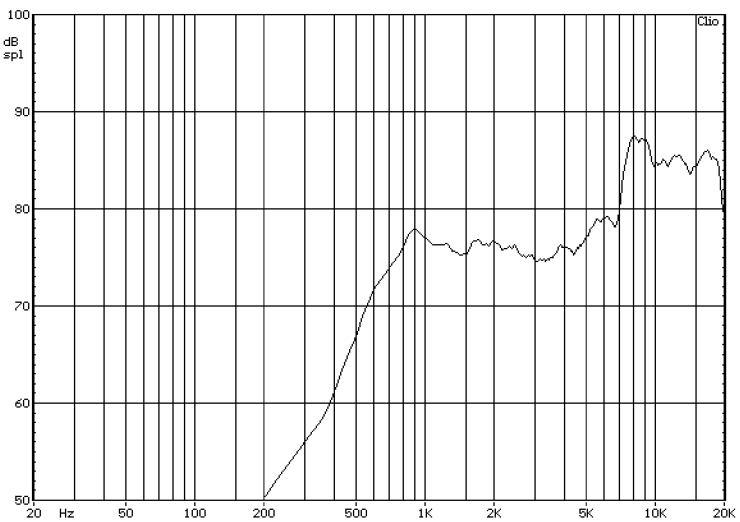
Markings:
 U0016016NM02BB
 STETRON
 YYWW
 Text Colour: Black
 YY indicates year,
 WW indicates week

REV	DATE	ID	DESCRIPTION
0.0	5-Oct-04	RC	Original Drawing
0.1	5-Oct-04	RC	Updated overall thickness dimension
1.0	26-Oct-04	RC	Added gasket and protective mesh
1.1	5-Nov-04	RC	Revised to include grill holes dimensions
1.2	13-Dec-04	RC	Added p/n markings
1.3	14-Dec-04	RC	Updated magnet dimensions
1.4	11-Jan-05	RC	Updated resonant frequency
1.5	17-Feb-05	RC	Updated resonant frequency tolerance
1.6	2-Mar-05	RC	Updated max. power rating
2.6	6-Jul-05	RC	Added mesh and revised resonant frequency

ITEM	SPECIFICATION	REMARKS
1	Dimensions	ø16x4.3mm
2	Impedance	16Ω ±15%
3	Input Power	0.2W/0.4W
4	Lowest Resonant Frequency, F ₀	800Hz ±20%
5	Sensitivity	77dB ±3dB
6	Effective Frequency Range	F ₀ to 15kHz
7	Total Harmonic Distortion	<5%
8	Magnet Dimension	Ø7.1 x 1.2 mm

TESTS		
9	Operation Test	EIA white noise of 0.2W is applied for 96h.
10	Max. Input Power	The speaker shall be exposed to EIA white noise of 0.4 W for 1min.
11	Buzz & Rattle Test	1.79V 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 temperature.
17	Humidity Exposure	The speaker shall be exposed to 40±3°C, 92%RH for 96h with a 1h rest at room temperature.

Typical Frequency Response



Notes:

All dimensions in mm

QB04033-V4

Loudspeaker : 0.2 W, Nd-Fe-B magnet
 ø16x4.3mm, 16 Ω, Mylar cone, Metal frame
 w/ gasket & protective mesh on front& back

SIZE	DRAWN BY	PART No.
A	RC	U0016016NM02BB
SCALE	N/A	DATE
		6-JUL-05
REV	2.6	DWG No. / FILE
		SHEET 1 of 1
		DB04-068