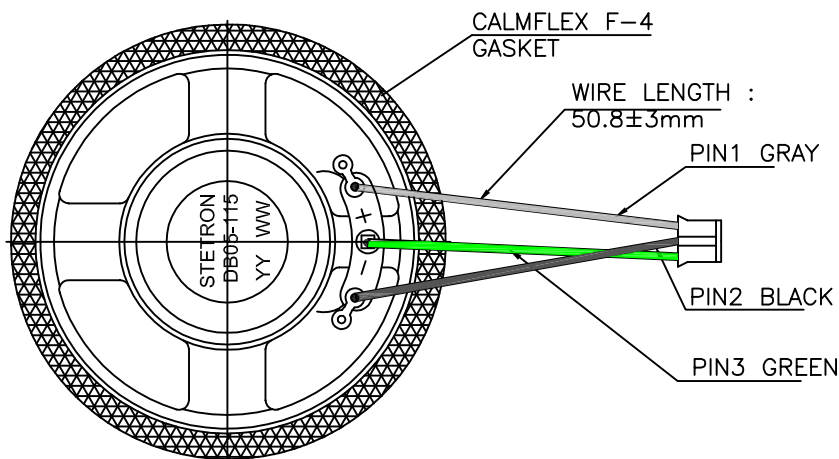
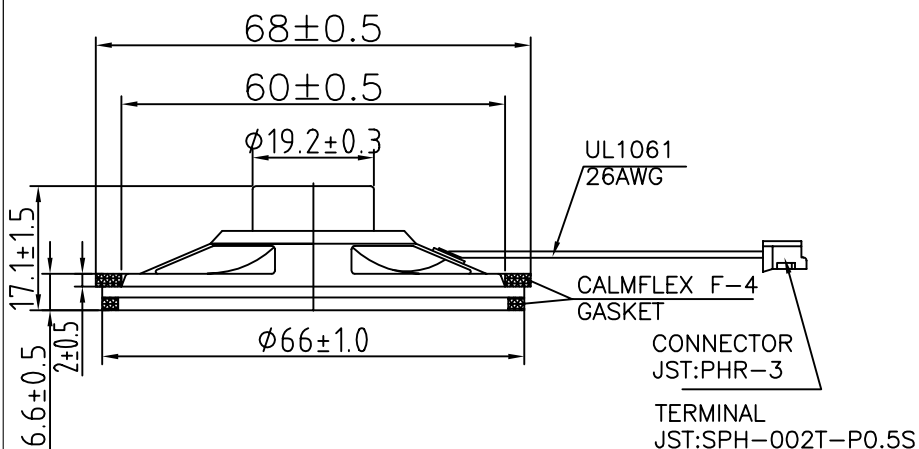
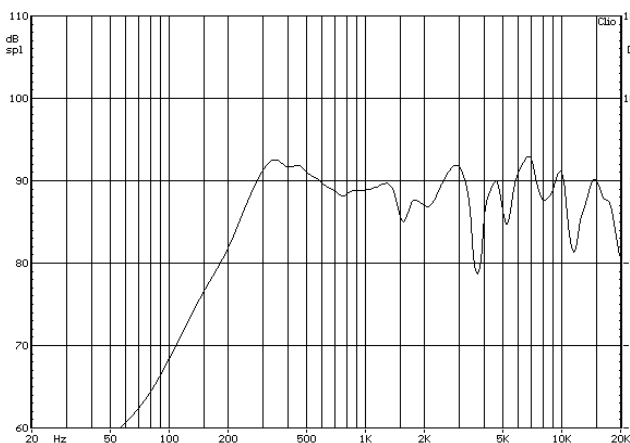




Typical Frequency Response



REV	DATE	ID	DESCRIPTION	REV	DATE	ID	DESCRIPTION
0.0	16-Dec-05	RC	Original Drawing	3.6	19-Dec-06	RC	Revised terminal pin
1.0	23-Dec-05	RC	Revised pin and added freq. response graph	3.7	20-Dec-06	RC	Revised speaker lip overall height
1.1	4-Apr-06	RC	Updated pin	3.8	21-Dec-06	RC	Adjusted overall height
2.0	24-May-06	RC	Added pin markings and removed preliminary dwg. Stamp	3.9	12-Mar-07	RC	Updated gasket material
3.0	27-Sep-06	RC	Added 3 wires, connector and gaskets	4.0	14-Mar-07	RC	Added material name for front gasket
3.1	5-Oct-06	RC	Revised wires layout	4.1	12-Oct-07	RS	Changed Connector type
3.2	5-Oct-06	RC	Added wires colour	4.2	25-Oct-07	RS	Updated connector terminal type
3.3	11-Oct-06	RC	Added gasket dimensions and wire leads details	4.3	5-Nov-07	RS	Added PIN to speaker
3.4	24-Oct-06	RC	Added gasket thickness dimensions	4.4	27-Nov-08	RS	Revised gasket tolerance
3.5	13-Dec-06	RC	Revised speaker height, resonant frequency and pin for RoHS compliant				

ITEM		SPECIFICATION	REMARKS
1	Dimensions	Ø66mm Diameter	O.D. of radiating plane
2	Impedance	32Ω ±15%	@ 1kHz/1V
3	Input Power	0.5W/1W	RMS/Peak
4	Lowest Resonant Frequency, F ₀	320Hz ±20%	Constant Voltage (1V)
5	Sensitivity	94±3dB/W @0.5m	Measured @ 0.25W/0.5m Avg.(0.8/1.0/1.2/1.5)kHz
6	Effective Frequency Range	F ₀ to 5kHz	0.5W/0.5m Dev. ±10dB
7	Total Harmonic Distortion	<5%	Measured @ 0.8kHz/0.25W/0.5m
8	Magnet Dimension	Ø12.5x3.0 mm	Nd-Fe-B
TESTS			
9	Operation Test	EIA white noise of 0.5W is applied for 96h.	The speaker must meet items 5&6 after test
10	Max. Input Power	The speaker shall be exposed to EIA white noise of 1.0W for 1min.	
11	Buzz & Rattle Test	4V sinusoidal input swept from F ₀ to 4kHz	No buzzing or rattles shall occur
12	Polarity	A positive DC current is applied to the terminal marked +	The diaphragm shall move forward
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)	There shall be no buzz/rattle and the part shall exhibit no physical damage (rivets, weld and glue must hold, no scratches or burrs on surfaces and no peeling of paint/coating)
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	No buzzing or rattles shall occur
16	High Temperature Exposure	The speaker shall be exposed to 70 ±3°C, 50%RH for 96h with a 1h rest at room temperature.	The speaker must meet items 5&6 after test
17	Low Temperature Exposure	The speaker shall be exposed to -25°C, 50%RH for 96h with a 1h rest at room temperature.	
18	Humidity Exposure	The speaker shall be exposed to 40±3°C, 90%RH for 96h with a 1h rest at room temperature.	

Notes:

All dimensions in mm

RoHS compliant
QB04083-V2



Stetron International Inc.
Loudspeaker Spec. Ø66mm, 32Ω, Paper cone w/ Calmflex F4 front & back gaskets
Nd-Fe-B magnet, Rated power: 0.5W

SIZE	DRAWN BY	PART No.
A	RC	U0066032NP004AR
SCALE	DATE	SHEET
N/A	27-Nov-08	1 of 1
REV	DWG No. / FILE	
4.4		DB05-115