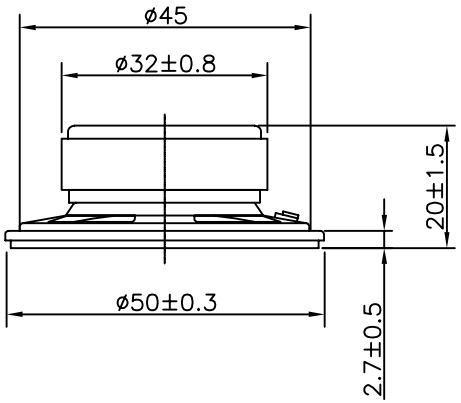
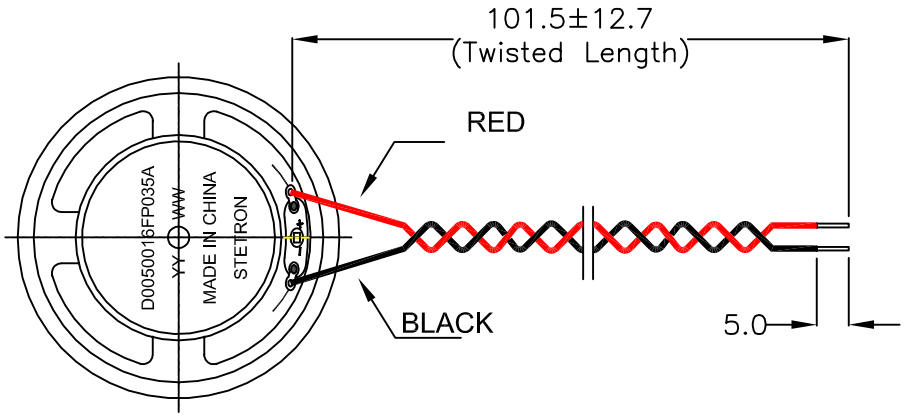
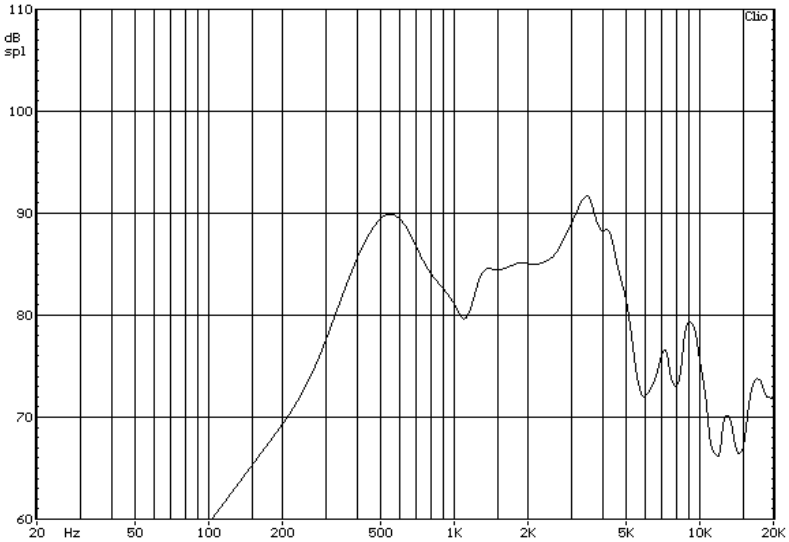
REV	DATE	ID	DESCRIPTION
0.0	05/14/01	RB	Original Drawing
0.1	09/18/01	CM	P/N Correction: Suffix 035P→035A
1.0	10/26/01	CM	Added wire leads & part markings





ITEM	SPECIFICATION	REMARKS
1. Dimensions	∅50mm	2 inch
2. Impedance	16Ω ± 15%	@ 1kHz/1V
3. Input Power	0.25W/0.5W	RMS/Peak
4. Lowest Resonant Frequency, F_0	480Hz ± 20%	Constant Voltage (1V)
5. Sensitivity	82±3dB	Measured at 0.25W/0.5m Avg at 0.8, 1.0, 1.2, 1.5kHz
6. Effective Frequency Range	F_0 – 4kHz	
7. Total Harmonic Distortion	<5%	at 1.0kHz/0.25W/0.5m
8. Magnet Dimension	∅32x∅18x8mm	OD x ID x h
TESTS		
9. Max. Input Power	The speaker shall be exposed to EIA white noise of 0.5W for 1min. The speaker must meet items 5&6 after test.	
10. Polarity	When a positive DC current is applied to the terminal marked +, the diaphragm shall move forward.	
11. Buzz & Rattle Test	No buzzing or rattles shall occur with a 2.0V sinusoidal input swept from F_0 – 4kHz	
12. Drop Test	The speaker shall be dropped (in a cardboard box) 18x from a height of 1m to a board 5mm thick. The speaker must meet items 5&6 after test.	
13. Operation Test	The speaker must meet items 5&6 after EIA white noise of 0.25W is applied for 96h.	
14. 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.	
15. Humidity Exposure	The speaker shall be exposed to 40±3°C, 90%RH for 48h with a 1h rest at room temperature. The speaker must meet items 5&6 after test.	

Typical Frequency Response



Notes:

All dimensions in mm

Stetron International Inc.

Loudspeaker Specification
50mm, 16Ω
0.25W Rated Input

SIZE	DRAWN BY	PART No.
A		D0050016FP035A

SCALE	DATE	SHEET
N/A	26-OCT-01	1 of 1

REV	DWG No. / FILE
1.0	CDC01044