

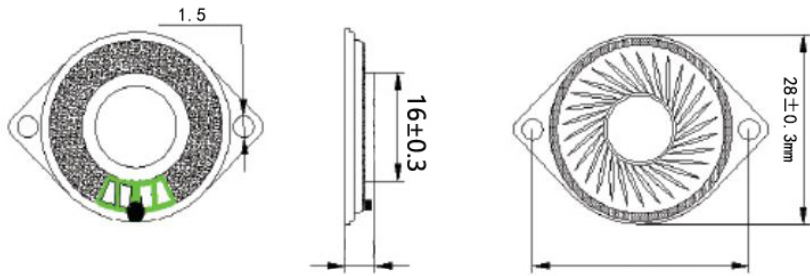
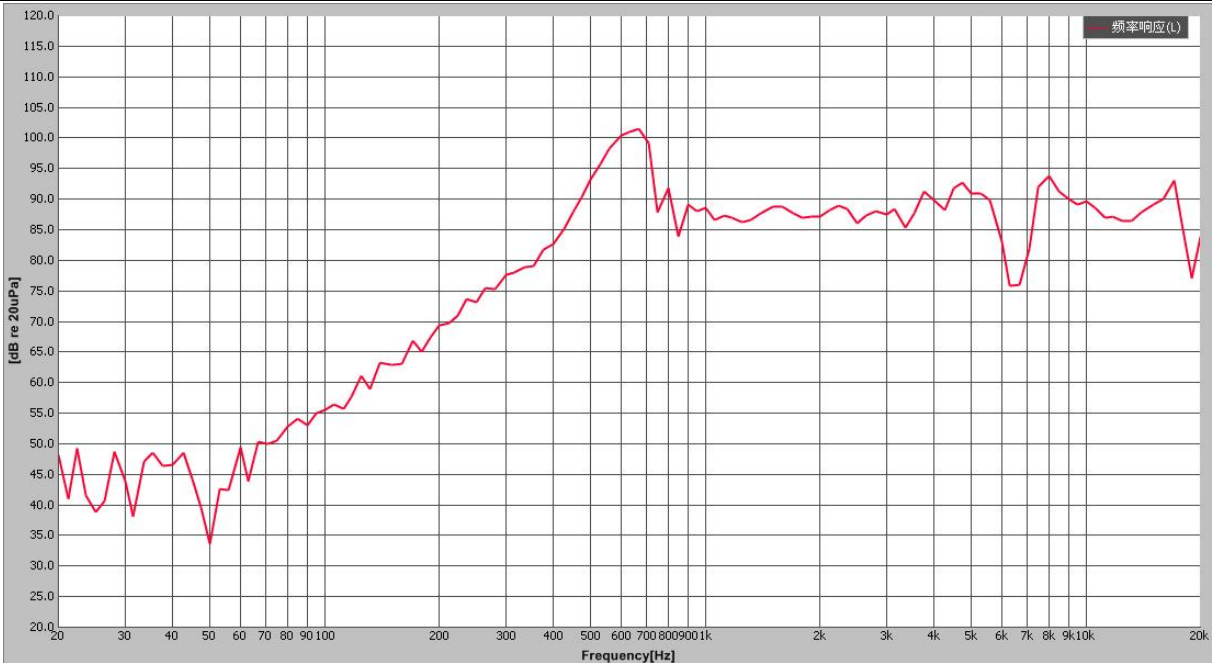


Product Name: 8 ohm 0,5w 28\*4,4 plastic

Model Name : **FBF28-8FE**

### SPEAKER SPECIFICATION

No.	Item	Symbol	Unit	Specification	Condition
1	Dimension		mm	28±0.2 mm 4±0.2 mm( h )	Refer to attached drawing in details
2	Nominal input Power		W	0.5	Speaker is probably damaged if the nominal input power is more than 0.5W
3	Max. Input Power		W	0.5	Should not be audible buzz and rattle at (0.5W) RMS sine wave for one minute. Between (150Hz to 3KHz )
4	Impedance	$\Omega$	ohm	8 ± 15%	At 150kHz 3v
5	Resonance Frequency	Fo	Hz	650± 20%	At 2V
6	Output S.P.L.		dB	88± 3dB(0.1w/10cm)	At 0.8k,1.2k,1.5k,2.83kHz (Average figures)
7	Frequency Rang		Hz	650---15K	Output S.P.L. ±10dB
8	Distortion		%	10% Max.	At 2kHz 0.5 W
9	Polarity			When a positive D.C Voltage is applied to the terminal Marked (+) or red, the diaphragm should move to the front.	
10	Operating temp.		°C	-30~+85	
11	Buzze & Rattle				Not be audible at 7Vsine wave between fo ~ 10KHz

1.	Dimension ( $\pm 0.2\text{mm}$ )																																																														
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2.	Frequency response curve																																																														
Frequency response curve	 <p>The graph displays the frequency response curve (FRC) of the speaker driver. The Y-axis represents the sound pressure level (SPL) in dB re 20μPa, ranging from 20.0 to 120.0. The X-axis represents the frequency in Hz, ranging from 20 to 20k. The curve shows a peak around 600 Hz and a roll-off at higher frequencies.</p> <table border="1"><thead><tr><th>Frequency [Hz]</th><th>SPL [dB re 20μPa]</th></tr></thead><tbody><tr><td>20</td><td>45.0</td></tr><tr><td>30</td><td>40.0</td></tr><tr><td>40</td><td>45.0</td></tr><tr><td>50</td><td>35.0</td></tr><tr><td>60</td><td>45.0</td></tr><tr><td>70</td><td>50.0</td></tr><tr><td>80</td><td>55.0</td></tr><tr><td>90</td><td>58.0</td></tr><tr><td>100</td><td>60.0</td></tr><tr><td>120</td><td>62.0</td></tr><tr><td>150</td><td>65.0</td></tr><tr><td>200</td><td>70.0</td></tr><tr><td>300</td><td>75.0</td></tr><tr><td>400</td><td>80.0</td></tr><tr><td>500</td><td>85.0</td></tr><tr><td>600</td><td>90.0</td></tr><tr><td>700</td><td>95.0</td></tr><tr><td>800</td><td>90.0</td></tr><tr><td>1k</td><td>85.0</td></tr><tr><td>2k</td><td>88.0</td></tr><tr><td>3k</td><td>85.0</td></tr><tr><td>4k</td><td>90.0</td></tr><tr><td>5k</td><td>92.0</td></tr><tr><td>6k</td><td>85.0</td></tr><tr><td>7k</td><td>80.0</td></tr><tr><td>8k</td><td>90.0</td></tr><tr><td>9k</td><td>88.0</td></tr><tr><td>10k</td><td>85.0</td></tr><tr><td>15k</td><td>90.0</td></tr><tr><td>20k</td><td>80.0</td></tr></tbody></table>	Frequency [Hz]	SPL [dB re 20μPa]	20	45.0	30	40.0	40	45.0	50	35.0	60	45.0	70	50.0	80	55.0	90	58.0	100	60.0	120	62.0	150	65.0	200	70.0	300	75.0	400	80.0	500	85.0	600	90.0	700	95.0	800	90.0	1k	85.0	2k	88.0	3k	85.0	4k	90.0	5k	92.0	6k	85.0	7k	80.0	8k	90.0	9k	88.0	10k	85.0	15k	90.0	20k	80.0
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