

# FE83E

### Features

- 'ES cone' paper made of banana plant's fiber
- Newly designed center cap
- Ferrite magnet



### Specifications

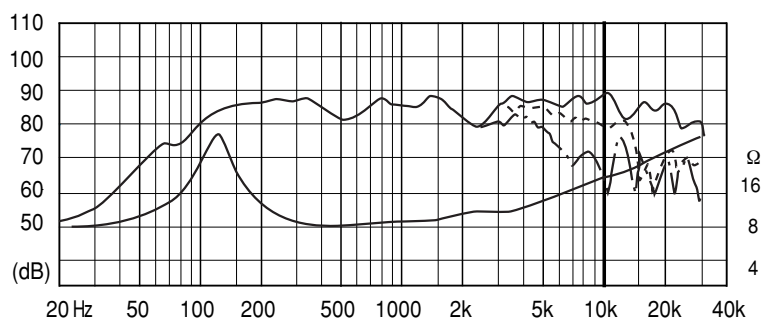
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### Thiele/Small Parameters

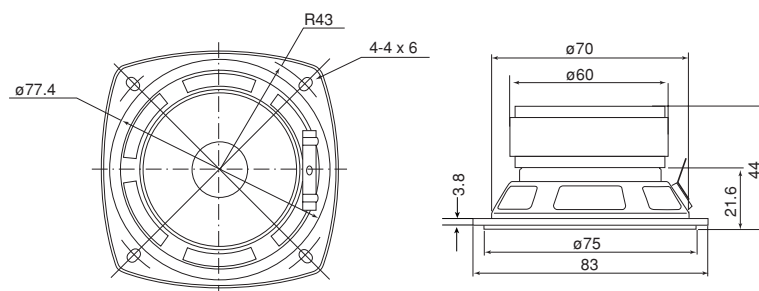
|                                 |   |                  |
|---------------------------------|---|------------------|
| Size                            | : | 80 mm / 3 in     |
| Voice Coil Diameter             | : | 16 mm / 0.6 in   |
| Cast / Stamped                  | : | Cast             |
| Impedance                       | : | 8 Ω              |
| Reproduction Frequency Response | : | fs - 30 kHz      |
| Sound Pressure Level            | : | 88 dB/W(m)       |
| Rated Input                     | : | 5 W              |
| Music Power                     | : | 10 W             |
| Magnet Material                 | : | Ferrite          |
| Magnet Weight                   | : |                  |
| (main)                          | : | 140 g / 0.309 lb |
| (cancel)                        | : | g / lb           |
| Net Weight                      | : | 360 g / 0.794 lb |

|        |   |                        |
|--------|---|------------------------|
| a      | : | 30 mm                  |
| D      | : | 60 mm                  |
| Sd     | : | 0.00283 m <sup>2</sup> |
| Zn     | : | 8 Ω                    |
| Fs     | : | 127 Hz                 |
| Re     | : | 7.87 Ω                 |
| Le     | : | n/a mH                 |
| Qms    | : | 4.00                   |
| Qes    | : | 0.98                   |
| Qts    | : | 0.79                   |
| Mms    | : | 1.39 g                 |
| BL     | : | 2.98 Telsa/m           |
| Vas    | : | 1.29 L                 |
| Xmax   | : | 0.40 mm                |
| Eff/η0 | : | 0.26 %                 |
| Cms    | : | 0.00115 mm/N           |
| EBP    | : | 130                    |

### Frequency Response / Impedance



### Dimensions & Mounting Information



|                      |   |                 |
|----------------------|---|-----------------|
| Overall Diameter     | : | 83 mm / 3.3 in  |
| Baffle Hole Diameter | : | 75 mm / 2.95 in |
| Speaker Depth        | : | 44 mm / 1.7 in  |