faital PRO PROFESSIONAL LOUDSPEAKERS

# 2FE24

## 2.5" - 20 W - 85 dB - 8 Ohm

### NOMINAL SPECIFICATIONS

| | |
|---|---|
| Nominal Diameter | 66 mm (2.5 in) |
| Overall Diameter | 88/68 mm (3.46/2.68 in) |
| Bolt Circle Diameter | 75 mm (2.95 in) |
| Baffle Cutout Diameter | 60.5 mm (2.38 in) |
| Depth | 32.5 mm (1.28 in) |
| Flange and Gasket Thickness | 6 mm (0.24 in) |
| **Net Weight** | **122 g (0.3 lb)** |
| Shipping Box (Single Carton Box - 36 units) | 285 x 285 x 255 mm (11.2 x 11.2 x 10 in) |
| Shipping Weight (36 units) | 5.8 kg (12.8 lb) |

### PART NUMBER

| | |
|---|---|
| Faston Terminals - 8 Ohm Version | 00664365 |

### NOTES:

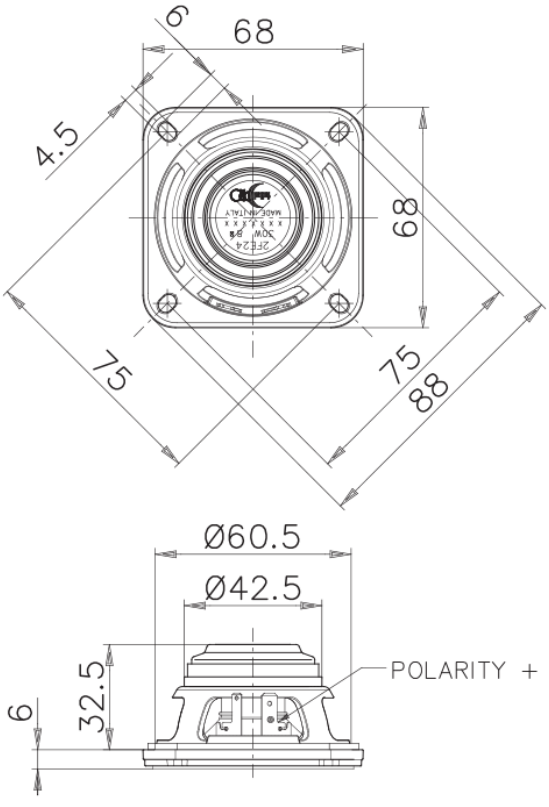
**(1)** 2 Hours Test According to AES 2-1984 Rev. 2003
**(2)** Maximum power is defined as 3dB greater than nominal power.
**(3)** EPDM (Rubber)
**(4)** Xmax= [(winding depth - magnetic gap depth)/2] + (magnetic gap depth/3)
**(5)** Maximum excursion before permanent damage

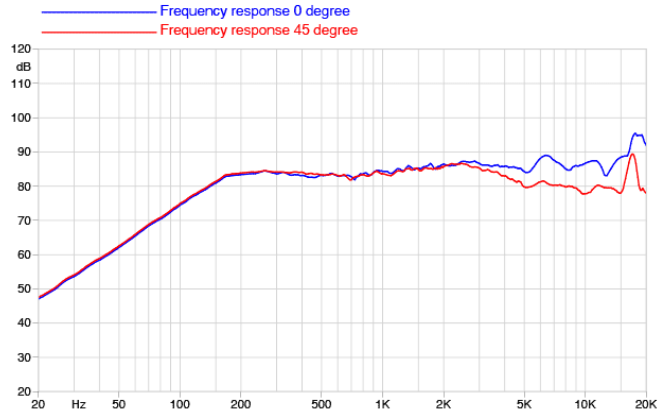
### TECHNICAL PARAMETERS

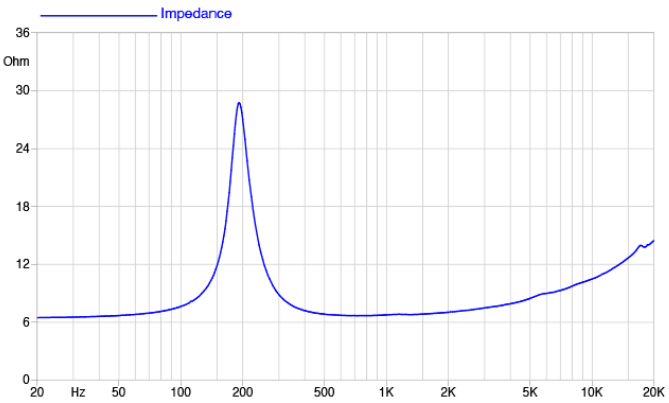
| | |
|---|---|
| Nominal Impedance | 8 Ohm |
| Minimum Impedance | 6.6 Ohm |
| AES Power Handling **(1)** | 20 W |
| **Maximum Power Handling (2)** | **40 W** |
| **Sensitivity (1W/1m)** | **85 dB** |
| Frequency Range | 170÷20000 Hz |
| **Voice Coil Diameter** | **19 mm (0.75 in)** |
| Winding Material | Al |
| Former Material | Kapton |
| Winding Depth | 4.5 mm (0.18 in) |
| **Magnetic Gap Depth** | **3 mm (0.12 in)** |
| Flux Density | 1.3 T |
| Magnet | Neodymium Ring |
| Basket Material | Polycarbonate |
| Demodulation | No |
| Cone Surround **(3)** | Half Roll |
| NET Air Volume filled by Loudspeaker | 0.030 dm^3 (0.001 ft^3) |
| Spider Profile | 1x constant height waves |

### THIELE & SMALL PARAMETERS

| | |
|---|---|
| Fs | 170 Hz |
| Re | 6.5 Ohm |
| Qes | 1.22 |
| Qms | 4.1 |
| Qts | 0.94 |
| Vas | 0.3 dm^3 (0.01 ft^3) |
| Sd | 20.1 cm^2 (3.12 in^2) |
| Xmax **(4)** | 1.75 mm |
| Xdamage **(5)** | 5.3 mm |
| Mms | 1.9 g |
| Bl | 3.5 N/A |
| Le | 0.11 mH |
| Mmd | 1.8 g |
| Cms | 0.46 mm/N |
| Rms | 0.5 kg/s |
| Eta Zero | 0.12 % |
| EBP | 139 Hz |





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