This BC family tweeter features a 4 ohm 25 mm voice coil, a damped fabric dome for smooth frequency response performance, and ferrofluid in the gap of the neodymium magnet motor, providing enhanced cooling of the voice coil. The tweeter comes with a waveguide style faceplate with recessed mounting holes, greatly increasing the sensitivity of the tweeter. A finned heat sink has been added for improved power handling.

Specifications:

- **DC Resistance**: $R_{dc}$ = 2.8 Ω, 5.0%
- **Maximum Impedance**: $Z_{max}$ = 3.4 Ω, 7.5%
- **Resonant Frequency**: $f_r$ = 1390 Hz, 15.0%
- **Mechanical Q Factor**: $Q_m$ = 3.45
- **Electrical Q Factor**: $Q_e$ = 1.76
- **Total Q Factor**: $Q_t$ = 1.17
- **Ratio $I_c / Q_m$**: 1193
- **Energy Bandwidth Product**: $EBP = (1/Q_m) f_r = 790$
- **Moving Mass**: $M_m =$ g, 0.3
- **Suspension Compliance**: $C_s =$ um/N, 43
- **Effective Cone Diameter**: $D_c =$ cm, 2.50
- **Effective Piston Area**: $S_p =$ cm², 4.9
- **Equivalent Volume**: $V_e =$ l, 0.001
- **Motor Force Factor**: $S_b =$ Tm, 2.05
- **Motor Efficiency Factor**: $\beta =$ (T·m²)/Ω, 1.53
- **Half Space Sensitivity @ 2.83V**: 96.2 dB @2.83V/1m
- **Sensitivity @ 1W/1m**: 91.5 dB @1W/1m
- **Rated Noise Power (IEC 2685 18.1)**: P W, 25
- **Test Spectrum Bandwidth**: 1300Hz - 20kHz
- **12 dB/Oct**: 80 Hz
- **F088-0713A**: Tymphany HK Ltd

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