

CXL-2580C 15" COAXIAL TRANSDUCER



Features:

- High sensitivity (99 dB 1 W/1 m)
- Constant Coverage H.F. Horn
- Mounts any 2" exit compression driver

Diameter: 380 mm (15 inches)
Nominal Impedance: 8 ohms
Frequency Range: 35 Hz to 1.5kHz
HF Coverage angles: (-6dB points, nom.)
60° H x 30° V
HF Directivity: 11dB, 1.2 kHz-16 kHz(+3dB)
Highest Recommended Crossover Frequency:

1.2 kHz (TOC™ 2B15)
Power Capacity: (LF) 500 watts
Sensitivity: (LF) 99 dB(@ 2.83v@1 m)
Voice Coil Diameter: 100 mm (4 in.)
Voice Coil Material: edge wound copper
Winding Length: 19.5 mm (0.768 in.)
Former Material: Kapton
Magnetic Gap Length: 10.5 mm (0.413 in.)
Magnet Weight: 2.7 kg (5 lb15 oz)
Magnet Assembly Weight: 9.7 kg (21 lb 7oz)
BL Product: 22.6 Tesla Meters
Effective Piston Diameter: 0.317m (12.5 in.)
Total Moving Mass (Mms): 81 grams
Mechanical Compliance (Cms): 185 μ M/N

Small Signal Parameters:

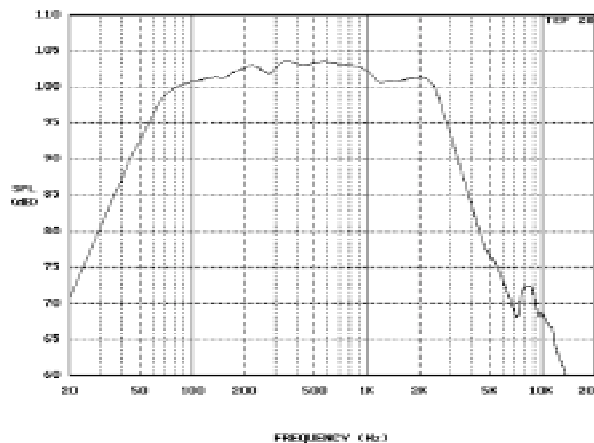
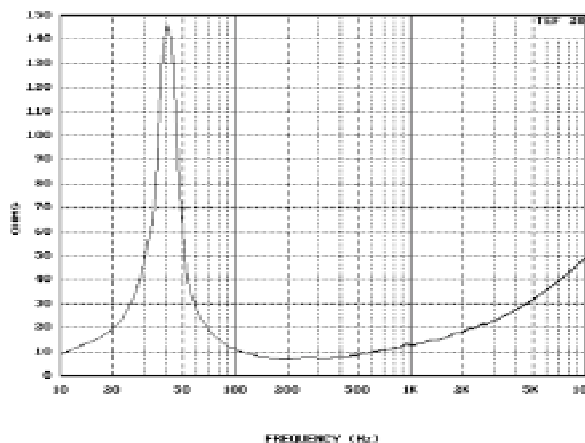
Fs 41 Hz
Qts 0.24
Qms 12.1
Qes 0.25
Vas 137 L (4.8 ft³)
Re 6.0 ohms
 η_0 3.8 %
Le 1.7 mH

Large Signal Parameters:

Sd 0.073 m² (113 in²)
Xmax 6.4 mm (0.25 in)
Vd 463 cm³ (28.25 in³)

Mounting Information:

Diameter: 389 mm (15 5/16 in)
Bolt Circle: 365 mm (14 3/8 in)
Baffle Cutout: 355.6 mm (14 in)
Depth: 185 mm (7 1/4 in)
Net Weight: 12.3 kg (27 lbs)
Shipping Weight: 13.6 kg (30 lbs)



On-axis response (above) was done Ground Plane with microphone at 3 meters. The test box is 82 ltr (2.9 ft³). Box frequency is 41 Hz. Driving voltage is 8 vrms.



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