ECW 638

Elite Coppersleeve Woofer, Ø 6", Ø 3" voicecoil, 8Ω

SPECIFICATIONS

General Data		
Overall Dimensions	**DxH**	160mm(6.3")x69mm(2.71")
Nominal Power Handling (DIN)	**P**	150W
Transient Power 10ms		1000W
Sensitivity 2.83V/1M		88dB SPL
Frequency Response		See graph
Cone Material		Damped Polymer Composite
Net Weight	**Kg**	1.2

Electrical Data		
Nominal Impedance	**Z**	8Ω
DC Resistance	**Re**	5Ω
Voice Coil Inductance @ 1KHz	**LBM**	0.26mH

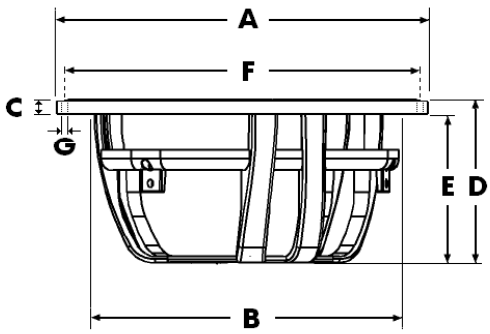
Voice Coil and Magnet Parameters		
Voice Coil Diameter	**DIA**	75mm
Voice Coil Height		18mm
HE Magnetic Gap Height	**HE**	6mm
Max. Linear Excursion	**X**	± 6mm
Voice Coil Former		Aluminum
Voice Coil Wire		Hexatech™ Aluminum
Number Of Layers		2
Magnet System Type		Hybrid™ Neodymium/Ferrite
B Flux Density	**B**	0.8 T
BL Product	**BXL**	7.45 N.A

T-S Parameters		Small Signal	1 V
Suspension Compliance	**Cms**	0.994 mm/N	
Mechanical Q Factor	**Qms**	1.42	
Electrical Q Factor	**Qes**	0.36	
Total Q Factor	**Qts**	0.29	
Mechanical Resistance	**Rms**	2.82 Kg/s	
Moving Mass	**Mms**	16 g	
Eq. Cas Air Load (liters)	**VAS**	19 Lt	
Resonant Frequency	**Fs**	39 Hz	
Effective Piston Area	**SD**	119 cm ²	

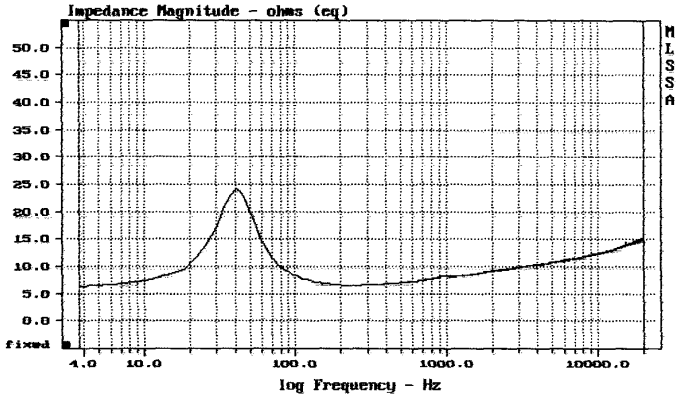
FEATURES

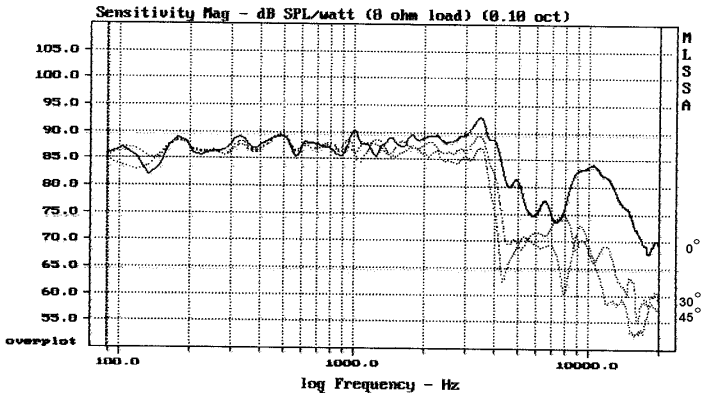
* Uniflow™ Aluminum diecast chassis
* Hybrid™ Neodymium/Ferrite magnet system
* Copper insulated center pole
* 3" Large Hexatech™ Aluminum voice coil
* High power handling
* High Xmax, Low Qts, Low Fs

Unit Dimensions



A - Overall diameter	160mm
B - Cut out diameter	140mm
C - Flange thickness	6mm
D - Overall height	69mm
E - Basket depth	63mm
F - Mounting holes location diameter	152mm
G - 6 Mounting holes, at 60º interval, inner hole diameter	Ø 4.2mm





Measured on IEC baffle using Bruel & Kjaer 3144 model microphone.