



# UW 1258

Ultimate Woofer,  
 Ø 12", Ø 5.1" voicecoil, 8Ω



## SPECIFICATIONS

### General Data

Overall Dimensions	DxH	305mmx154.3mm(12"x6.07")
Nominal Power Handling (DIN)	P	800W
Transient Power 10ms		3,000W
Sensitivity 1W/1M		87 dB SPL
Frequency Response		10-2,000 Hz
Cone/Dome Material		Composite cellular fiber
Net Weight	Kg	6.3

### Electrical Data

Nominal Impedance	Z	8Ω
DC Resistance	Re	6.8Ω
Voice Coil Inductance @ 1KHz	LBM	1.33mH

### Voice Coil and Magnet Parameters

Voice Coil Diameter	DIA	130mm (5.1")
Voice Coil Height		37mm (1.45")
HE Magnetic Gap Height	HE	12mm (0.47")
Max. Linear Excursion	X	± 12.5mm (0.49")
Voice Coil Former		Aluminum
Voice Coil Wire		Hexatech™ Aluminum
Number Of Layers		2
Magnet System Type		High flux double ferrite vented
B Flux Density	B	0.64 T
BL Product	BXL	13.67 N.A

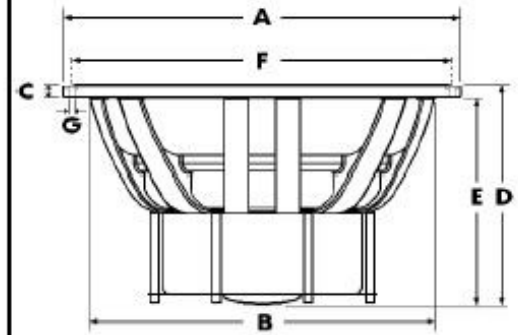
### T-S Parameters

Suspension Compliance	Cms	0.44 mm/N
Mechanical Q Factor	Qms	1.88
Electrical Q Factor	Qes	0.56
Total Q Factor	Qts	0.43
Mechanical Resistance	Rms	8.15 Kg/s
Moving Mass	Mms	105.49 g
Eq. Cas Air Load (liters)	VAS	138.38 Lt
Resonant Frequency	Fs	21 Hz
Effective Piston Area	SD	437 cm <sup>2</sup>

### FEATURES

- \* Uniflow™ Aluminum diecast chassis
- \* High flux double Ferrite magnet system
- \* 5.1" Large Hexatech™ Aluminum voice coil
- \* One piece paper cone/center dome
- \* High power handling
- \* High Xmax, Low Qts, Low Fs

### Unit Dimensions



- A - Overall diameter 305mm
- B - Cut out diameter 270mm
- C - Flange thickness 6.3mm
- D - Overall height 154.3mm
- E - Basket/magnet depth 148mm
- F - Mounting holes location diameter 292mm
- G - 6 Mounting holes, at 60° interval,  
 inner hole diameter Ø 6mm  
 pocket h 1.5mm, Ø 11mm

