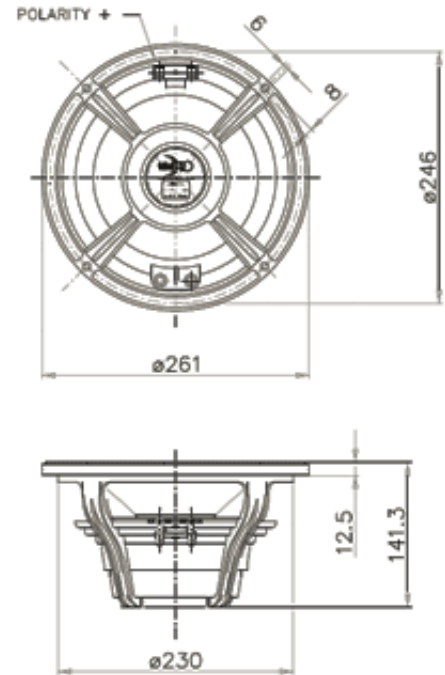




10FH500 Five Hundred Series



NOMINAL SPECIFICATIONS

Nominal Diameter	250 mm (10 in)
Overall Diameter	261 mm (10.28 in)
Bolt Circle Diameter	246 mm (9.69 in)
Baffle Cutout Diameter	232 mm (9.13 in)
Depth	141.3 mm (5.56 in)
Flange and Gasket Thickness	12.5 mm (0.49 in)
Net Weight	3.4 Kg (7.5 lb)
Shipping Box (Single Carton Box)	305x305x185 mm (12x12x7.28 in)
Shipping Weight	4 Kg (8.8 lb)

ELECTRICAL SPECIFICATION

Nominal Impedance	8 Ohm
Minimum Impedance	6.4 Ohm
AES Power Handling *	500 W
Maximum Power Handling **	1000 W
Sensitivity (1W/1m)	96 dB
Frequency Range	60÷4000 Hz
Voice Coil Diameter	77 mm (3 in)
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	18 mm (0.71 in)
Magnetic Gap Depth	10.5 mm (0.41 in)
Flux Density	1.2 T
Magnet	Neodymium Slug
Demodulation	No
Suspension ***	Triple Roll

THIELE & SMALL PARAMETERS

Fs	60 Hz
Re	5.1 Ohm
Qes	0.28
Qms	3.28
Qts	0.26
Vas	22.85 dm ³ (0.8 ft ³)
Sd	328 cm ² (50.84 in ²)
Xmax ****	7.25 mm
Xdamage *****	12.5 mm
Mms	47 g
Bl	17.9 N/A
Le	0.85 mH
Mmd	44.8 g
Cms	0.15 mm/N
Rms	5.4 Kg/s
Eta Zero	1.7 %
EBP	214 Hz

NOTES

Spider Profile: 1x constant height waves

(*) 2 Hours Test According to AES 2-1984 Rev. 2003

(**) Maximum power is defined as 3dB greater than nominal power.

(***) Treated Polycotton

(****) $X_{max} = [(winding\ depth - magnetic\ gap\ depth) / 2] + (magnetic\ gap\ depth / 3)$

(*****) Maximum excursion before permanent damage

CURVES

