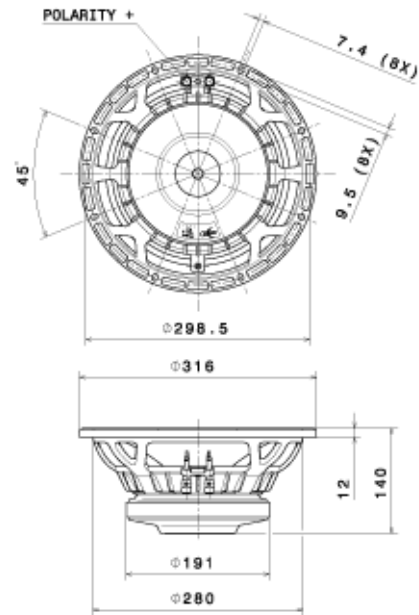




# 12FH510 Five Hundred Series



## NOMINAL SPECIFICATIONS

Nominal Diameter	300 mm (12 in)
Overall Diameter	316 mm (12.44 in)
Bolt Circle Diameter	298.5 mm (11.75 in)
Baffle Cutout Diameter	282 mm (11.10 in)
Depth	140 mm (5.51 in)
Flange and Gasket Thickness	12.45 mm (0.49 in)
Net Weight	4 Kg (8.8 lb)
Shipping Box (Single Carton Box)	350x346x190 mm (13.78x13.62x7.48 in)
Shipping Weight	8.7 Kg (19.18 lb)

## ELECTRICAL SPECIFICATION

Nominal Impedance	8 Ohm
Minimum Impedance	6.3 Ohm
AES Power Handling *	500 W
Maximum Power Handling **	1000 W
Sensitivity (1W/1m)	97 dB
Frequency Range	50÷5000 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	1.15 T
Magnet	Ferrite Ring
Demodulation	No
Suspension ***	M-Roll

## THIELE & SMALL PARAMETERS

Fs	45 Hz
Re	5.1 Ohm
Qes	0.26
Qms	13.7
Qts	0.26
Vas	80.15 dm <sup>3</sup> (2.83 ft <sup>3</sup> )
Sd	490.4 cm <sup>2</sup> (76 in <sup>2</sup> )
Xmax ****	7.25 mm
Xdamage *****	21.5 mm
Mms	56.3 g
Bl	17 N/A
Le	0.8 mH
Mmd	50.1 g
Cms	0.23 mm/N
Rms	1.13 Kg/s
Eta Zero	2.42 %
EBP	173 Hz

## NOTES

**Spider Profile:** 1x variable 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

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