

4" - 90W Extended Range

LP 101.25/ 160 WG 8 Ω

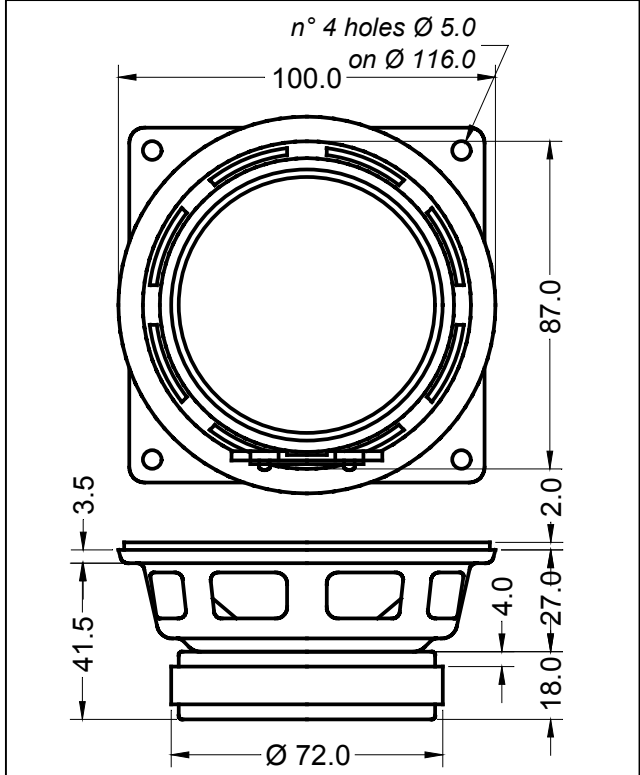
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GENERAL CHARACTERISTICS		
Nominal Overall Diameter	101	mm
Nominal Voice Coil Diameter	25	mm
Magnet Weight	160	g
Flux Density.....	1.00	T
Weight.....	0.48	Kg

ELECTRICAL CHARACTERISTICS		
Nominal Impedance.....	8	Ω
Musical Power	90	W
Rated Power*	45	W
Sensitivity @ 1 W, 1 m	86.6	dB

THIELE-SMALL PARAMETERS		
Voice Coil DC Resistance	R_E	6.00 Ω
Resonance Frequency	f_s	98.0 Hz
Mechanical Q Factor.....	Q_{MS}	3.23
Electrical Q Factor.....	Q_{ES}	0.89
Total Q Factor	Q_{TS}	0.70
Mechanical Moving Mass	M_{MS}	3.4 g
Mechanical Compliance	C_{MS}	774 μm/N
Force Factor	$B \times l$	3.76 Wb/m
Equivalent Acoustic Volume.....	V_{AS}	2.1 lt.
Maximum Linear Displacement	X_{MAX}	+/-1.5 mm
Reference Efficiency	η_0	0.21 %
Diaphragm Area	S_D	44.2 cm ²
Losses Electrical Resistance.....	R_{ES}	21.7 Ω
Voice Coil Inductance @ 1kHz	L_E	0.43 mH

CONSTRUCTIVE CHARACTERISTICS	
Magnet.....	Ferrite
Voice Coil Winding.....	Copper
Voice Coil Former.....	Epotex
Cone	Paper
Surround.....	Rubber
Dust Dome	Treated Cloth
Basket	Pressed Sheet Steel



*rated power measured with 2 hours test with pink noise signal, 6 dB crest factor, loudspeaker mounted on enclosure

Frequency Response on IEC Baffle (DIN 45575) @ 1 W, 1 m - Impedance

