

Lowther DX55 Drive Unit



Theile Small Parameters for DX55 with 8 ohm Aluminium Voice Coil

DC Resistance of Voice Coil	Re	7.4 ohms
Free Air Resonance	Fo	91.936 Hz
Emission Piston Area	Sd	0.01055M ²
Equivalent Volume Suspension	Vas	10.246 Ltrs
Suspension Compliance	Cms	648.249 u M/N
Mass of Cone	Mmd	4.0 g
Mass of Moving Parts	Mms	4.263 g
Force Factor	Bl	9.435 T-M
Mechanical Q Factor	Qms	1.355
Electrical Q Factor	Qes	0.222
Total Q Factor	Qts	0.191
Voice Coil Inductance @ 1 kHz	Le	41.374 uH
Reference Efficiency	No	3.468%
Sound Pressure Level	SPL	97.419 Db

Overall diameter	17.4 cm
Overall Depth	7.2 cm
Depth from Rear of Mounting Frame	6.6 cm
PCD Mounting Centres	15.6 cm
Baffle hole cut-out	14 cm
Magnet Ring Diameter	9.0 cm
Voice coil diameter	3.9 cm
Voice coil impedance (nominal)	4, 8 or 15 ohm
Nominal Power Handling	100W
Air gap width	1.0 mm
Air gap height	5.0 mm
Magnet type	Hi-Ferric™ Rare Earth
Flux density (1 Tesla=10,000 gauss)	2.0 Tesla
Diaphragm	Twin-paper
Frequency response	80 Hz - 22 kHz
Maximum voice coil travel	± 1 mm
Shipping weight	2.5 kg