

Lowther DX3 Drive Unit



Theile Small Parameters for DX3 with 8 ohm Aluminium Voice Coil

DC Resistance of Voice Coil	Re	7.4 ohms
Free Air Resonance	Fo	64.668 Hz
Emission Piston Area	Sd	0.021M ²
Equivalent Volume Suspension	Vas	43.350 Ltrs
Suspension Compliance	Cms	692.234 u M/N
Mass of Cone	Mmd	7.0 g
Mass of Moving Parts	Mms	8.75 g
Force Factor	Bl	9.252 T-M
Mechanical Q Factor	Qms	1.423
Electrical Q Factor	Qes	0.307
Total Q Factor	Qts	0.253
Voice Coil Inductance @ 1 kHz	Le	33.212 uH
Reference Efficiency	No	3.689%
Sound Pressure Level	SPL	97.687 Db

Overall diameter	22.5 cm
Overall Depth	7.00 cm
Depth from Rear of Mounting Frame	6.6 cm
PCD Mounting Centres	20.8 cm
Baffle hole cut-out	19 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' TM Rare Earth
Flux density (1 Tesla=10,000 gauss)	2.0 Tesla
Diaphragm	Twin-paper
Frequency response	30 Hz - 22 kHz
Maximum voice coil travel	± 1 mm
Shipping weight	2.5 kg