



ULTIMATE PRO
SERIES

DLS Svenska AB - Sweden

DLS UP35

PRODUCT SPECIFICATIONS

3-WAY CAR SYSTEM MODEL UP35

5,25" WOOFER

2,5" SOFT MID DOME

28 MM SOFT DOME TWEETER



Specifications valid from 02-00.

5,25", 13 cm woofer element UP5:

Dimensions:		DC resistance	3,61 ohm
Outer diameter	130 mm / 5,12"	Voice coil inductance, 1 kHz	0,23 mH
Magnet diameter	62 mm / 2,44"	Magnet system	Vented hybrid
Mounting depth	58 mm / 2,28"	BL product, BXL	4,45
Mounting hole	120 mm / 4,72"	Max. linear excursion, X max	+/- 3,5 mm / 0,14"
Nominal power handling	120 W	Suspension compliance, CMS	590
Maximum power	180 W	Mechanical Q factor, QMS	2,04
Nominal impedance, Z	4 ohms	Electrical Q factor, QES	0,73
Sensitivity, 1 W / 1m	86 dB	Total Q factor, QTS	0,54
Frequency response	60-4000 Hz	Mechanical resistance, RMS	0,72
Fs, resonant frequency	67,3 Hz	Moving mass, MMS	9,46 gr.
Voice coil diameter	54 mm (2")	Equivalent CasAir load, VAS	6,20 liters / 0,22 ft ³
Voice coil height	13 mm / 0,5"	Cone / Dome material	Polyinjection cone
Voice coil type / former	Aluminium	SD - Effective piston area	90 cm ²
Voice coil wire	Aluminium flat wire	Net weight	0,60 kg
Number of layers	2		

2,5", 6,3 cm mid dome element UP2,5:

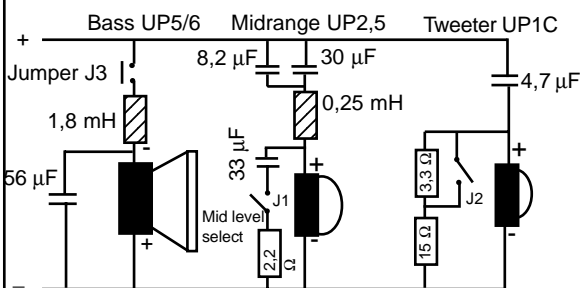
Dimensions:		Fs, resonant frequency	350 Hz
Outer diameter	100 mm / 4"	Voice coil diameter	52 mm (2")
Total height	39 mm / 1,53"	Voice coil height	6 mm / 0,4"
Mounting depth	25 mm / 1"	Voice coil type / former	Aluminium
Mounting hole	82 mm / 3,23"	Voice coil wire	Aluminium flat wire
Nominal power handling	90 W	Magnet system	Neodymium
Transient power	160 W	Magnetic gap height	4 mm / 0,16"
Nominal impedance, Z	4 ohms	X-max	+0,5 mm
Sensitivity, 1 W / 1m	91 dB	Dome material	Doped fabric
Frequency response	400 Hz - 8 kHz		

28 mm (1,1") tweeter element UP1C:

Dimensions:		Voice coil diameter	28 mm / 1,1"
Overall dimensions	60 mm / 2,36"	Voice coil height	2,2 mm / 0,087"
Mounting depth	18 mm / 0,71"	Voice coil type / former	Aluminium
Mounting hole	48 mm / 1,89"	Voice coil wire	Aluminium flat wire
Nominal power handling	50 W	Magnet system	Neodymium
Maximum power	80 W	Dome material	Hand treated fabric
Nominal impedance, Z	4 ohms		
Sensitivity, 1 W / 1m	93 dB		
Frequency response	1,5 - 20 kHz		
Fs, resonant frequency	1200 Hz		

Filter box drawing:

Filter art.no: 9-25538



Subject to change without further notice

The crossover frequencies in the system are approx. 450 Hz and 7 kHz

