



ULTIMATE PRO  
SERIES

DLS Svenska AB - Sweden

# DLS UP36-A

## PRODUCT SPECIFICATIONS

3-WAY CAR SYSTEM MODEL UP36

6,5" WOOFER

2,5" SOFT MID DOME

28 MM SOFT DOME TWEETER



Specifications valid from 04-02.

### 6,5", 16,5 cm woofer element UP6:

Dimensions:		DC resistance	3,42 ohm
Outer diameter	165 mm / 6,5"	Voice coil inductance, 1 kHz	0,28 mH
Magnet diameter	62 mm / 2,44"	Magnet system	Vented hybrid
Mounting depth	63 mm / 2,48"	BL product, BXL	3,97
Mounting hole	140 mm / 5,5"	Max. linear excursion, X max	+ - 3,5 mm / 0,14"
Nominal power handling	150 W	Suspension compliance, CMS	427
Transient power, 10 ms	180 W	Mechanical Q factor, QMS	2,37
Nominal impedance, Z	4 ohms	Electrical Q factor, QES	1,10
Sensitivity, 1 W / 1m	87,6 dB	Total Q factor, QTS	0,75
Frequency response	55-3500 Hz	Mechanical resistance, RMS	0,19
Fs, resonant frequency	73,1 Hz	Moving mass, MMS	11,08 gr.
Voice coil diameter	54 mm (2")	Equivalent CasAir load, VAS	9,05 liters / 0,32 ft <sup>3</sup>
Voice coil height	13 mm / 0,5"	Cone / Dome material	Polyinjection cone
Voice coil type / former	Aluminium	SD - Effective piston area	122,8 cm <sup>2</sup>
Voice coil wire	Aluminium flat wire		
Number of layers	2		

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

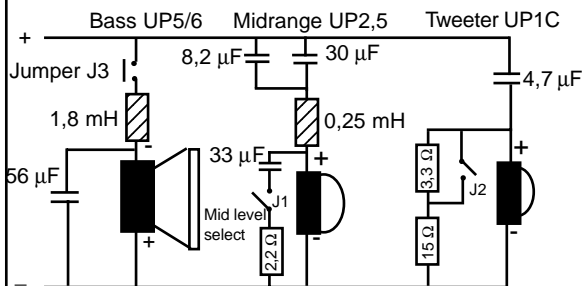
Dimensions:		Fs, resonant frequency	350 Hz
Outer diameter	100 mm / 4"	Voice coil diameter	52 mm (2")
Total height	39 mm / 1,53"	Voice coil height	6 mm / 0,4"
Mounting depth	25 mm / 1"	Voice coil type / former	Aluminium
Mounting hole	82 mm / 3,23"	Voice coil wire	Aluminium flat wire
Nominal power handling	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

