



USER MANUAL FOR

DCA-642

6.5 INCH 2-WAY CAR COAXIAL SPEAKER

DCA-642
6.5 Inch 2-Way Car Coaxial Speaker
Ø 1.0 Inch Voice Coil 4Ω



SPECIFICATIONS

General Data				Unit
Type	Woofer	Tweeter		
Overall Dimensions	165*68			mm
Nominal Power Handling	50			W
Transient Power 10ms	100			W
Sensitivity	86.4			dB
Frequency Response	61-20K			Hz
Cone Material	Polypropyle	PEI Dome		
Net Weight	0.78			kg
Electrical Data				
Nominal Impedance	4	4		Ohm
DC Resistance	3.4	3.2		Ohm
Voice Coil and Magnet Parameters				
Voice Coil Diameter	25.9	13.28		mm
Voice Coil Height	10	1.4		mm
HE Magnetic Gap Height	4	1.5		mm
Max.Linear Excursion	3			mm
Voice Coil bobbin	KAPTON	Aluminum		
Voice Coil Wire	Copper	CCAW		
Number Of Layers	2	2		layers
Magnet System Type	High Flux Ferrite	Neodymium		
BL Product	3.47			N.A
T-S Parameters				
Suspension Compliance	Cms	0.55		
Mechanical Q Factor	Qms	4.42		
Electrical Q Factor	Qes	1.31		
Total Q Factor	Qts	1.01		
Moving Mass	Mms	12.1		
Eq.Cas Air Load(liters)	VAS	16.05		Liter
Resonant Frequency	Fs	61		Hz
Effective Piston Area	SD	143.1		cm²

FOR REFERENCE ONLY

