

Technical Specification

SB75-234



SPECIFICATION	MODEL TYPE	SB75-234		UNITS
		SC	LC	
Sensitivity		85	87	dB@1w@1m
Nominal Power Rating		75	75	Watts
Maximum Input Power		150	150	Watts
Maximum Programme Power		300	300	Watts
Usable Frequency Range		Up to 3k	Up to 3k	Hz
Recommended Crossover Frequencies in System		Up to 1k	Up to 1k	Hz
Nominal Free Air Resonance - fs		30	26	Hz
Mechanical Damping - Qms		2.0	1.3	
Electromagnetic Damping - Qes		0.48	0.27	
Total Damping - Qts		0.38	0.22	
Equivalent Compliance Volume - Vas		92	120	Litres
Suspension Compliance - Cms		5.5	7.0	$\times 10^{-4} \text{m/N}$
Effective Moving Mass - Mms		48	50	gms
Mechanical Resistance - Rms		4.2	6.5	N.s/m^5
Voice Coil Diameter		75	75	mm
Voice Coil Length		10	16	mm
Voice Coil Nominal Resistance		5.4	5.4	Ohms
Voice Coil Nominal Impedance		8	8	Ohms
Voice Coil Maximum Travel Peak to Peak		20	20	mm
Magnet Total Flux - ϕ		4.2	1.9	$\times 10^{-3} \text{Wb}$
Magnet Flux Density - B		0.9	1.1	Tesla
Magnet BI Product - BI		11	14	N/A
Magnet Gap Length		20	7.25	mm
Magnet Gap Volume		11.8	5.5	$\times 10^{-6} \text{m}^3$
Diaphragm Effective Area - Sd		340	340	cm^2
Diaphragm Surround Type		Rubber	Rubber	
Overall Diameter		240	240	mm
Overall Depth		125	112	mm
Rear Mount Baffle Hole Diameter		212	212	mm
Front Mount Baffle Hole Diameter		212	212	mm
Front Mount Rebate Depth		13	13	mm
Mounting Hole P.C.D.		226	226	mm
Mounting Hole - Size x Qty		M5 x 8	M5 x 8	
Shipping Weight		8	6.5	kg
Pack Size		31x31x19	31x31x19	cm

