5NSM38

ND MIDRANGE

240 W
continuous program power capacity

38 mm (1.5 in)
aluminium voice coil

99 dB
sensitivity

300 - 3500 Hz
response

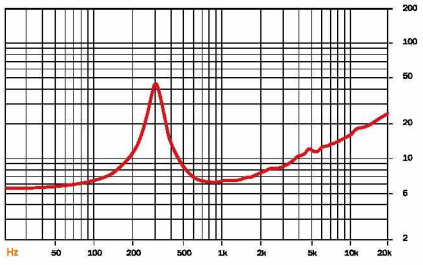
Ideal for Direct Radiation and Horn Loaded Midrange application

Aluminium demodulating ring for very low distortion

Hydrophobic Cone treatment

SENSITIVITY

IMPEDANCE



SPECIFICATIONS

Nominal Diameter	127 mm (5.0 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.3 Ω
Power Handling	
Nominal (AES)[1]	120 W
Continuous Program[2]	240 W
Sensitivity (1W/1m)[3]	99 dB
Frequency Range	300 - 3500 Hz
Voice Coil Diameter	38 mm (1.5 in)
Winding Material	Aluminium
Former Material	Glass Fibre
Winding Depth	7 mm (0.28 in)
Magnetic Gap Depth	6 mm (0.24 in)
Flux Density	1.45 T
Magnet Material	Neodymium Ring
Waterproof Cone Treatment	Impregnated Cone

Also available in 16 Ω, data upon request

THIELE & SMALL PARAMETERS[4]

Fs	300 Hz
Re	5.3 Ω
Qes	0.99
Qms	4.1
Qts	0.79
Vas	0.3 dm^3 (0.01 ft^3)
Sd	95 cm^2 (14.73 in^2)
η_0	1.15 %
X max	± 2.2 mm
X var	± 3.0 mm
Mms	9 g
Bl	10.1 T·m
Le	0.15 mH
EBP	303 Hz

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	157 mm (6.18 in)
Bolt Circle Diameter	142 mm (5.59 in)
Baffle Cutout Diameter	122 mm (4 in)
Depth	108 mm (4.25 in)
Flange and Gasket Thickness	9 mm (0.35 in)
Air volume occupied by driver	1.2 dm^3 (0.04 ft^3)
Net Weight	1.37 kg (3.02 lb)
Shipping Weight	1.82kg (4.01 lb)
Shipping Box	255x255x150 mm (10.04x10.04x5.90 in)
Service kit	RCK005NSM38-8

[1] Two hour test made with continuous pink noise signal (6 dB crest factor) within the specified range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.

[2] Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

[3] Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance. Average SPL from 500 to 5000 Hz.

[4] Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.