PA057

2'' Ceramic Extended Range

Program Power	40 W
Rated impedance	16 Ohm
Nominal diameter	2''- 50 mm
Sensitivity (2,83V/1m)	80 dB
Voice coil diameter	0,55 in - 14 mm
Frequency Range	150-18000 Hz

SPECIFICATIONS

Nominal Diameter	2''- 50 mm
Rated Impedance	16 Ohm
Nominal Power Handling [1]	20 W
Program Power [2]	40 W
Sensitivity [3]	80 dB
Frequency Range [4]	150-18000 Hz
Minimum Impedance	-
Gasket Material	Steel
Magnet Material	Ferrite
Cone Material	Cellulose fiber
Cone Shape	Straight
Surround	Polyurethane
Suspension	-
Voice Coil Diameter	0,55 in - 14 mm
Voice Coil Winding Material	Copper
Voice Coil Length	- -
Voice Coil Former Material	Paper
Connection type	-
Ferrofluid	No
Magnetic Gap Height	4 mm - 0,16 in
Max. Peak to Peak Excursion Xvar	-
Efficiency Bandwidth Product EBP	95
Recommended Loading	Sealed box
Volume / Tuning frequency	-
Maximum recommended frequency	-

FREQUENCY RESPONSE AND IMPEDANCE CURVE [6] [7]

T/S PARAMETERS 16 Ohm

Resonance frequency	Fs	185 Hz
DC Resistance	Re	15,09 Ohm
Mechanical Q Factor	Qms	4,92
Electrical Q Factor	Qes	1,94
Total Q Factor	Qts	1,39
Bl Factor	Bl	3,12 Tm
Effective Moving Mass	Mms	1,09 g
Equivalent Cas air loaded	Vas	0,2 lt (dm^3) - 0,01 cuft
Suspension Compliance	Cms	0,69 mm/N
Effective Piston Diameter	D	42 mm - 1,65 in
Effective piston area	Sd	14 cm^2 - 2,17 sq in
Max. Linear Excursion [5]	Xmax	1,5 mm - 0,06 in
Voice Coil Inductance @ 1kHz	Le	0,25 mH
Half-space Efficency	ŋ0	0,06 %

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	57x57 mm -
Baffle Cutout Diameter	55 mm - 2,17 in
Flange and Gasket Thickness	3,05 mm - 0,12 in
Total Depth	40,05 mm - 1,58 in
Bolt Circle Diameter	64 mm - 2,52 in
Bolt Holes Quantity and Diameter	4 / 3 mm - 0,12 in
Net Weight	0,18 Kg - 0,4 lb
Shipping Units	6 Pairs

NOTES

[1] Nominal power is determined according to AES2-1984 (r2003) standard.
[2] Program Power is defined as 3 dB greater than the Nominal rating.
[3] Sensitivity represents the averaged value of acoustic output as measured on the forward central axis of cone, at distance 1m, when connected to 2,83V sine wave test signal.
[4] Frequency range is given as the band of frequencies delineated by the lower and upper limits where the output level drops by 10 dB below the rated sensitivity in half space environment.
[5] Linear Math. Xmax is calculated as (Hvc-Hg)/2 + Hg/4 where Hvc is the coil depth and Hg is the gapdepth.
[6] Frequency response curve is measured on IEC Baffle.
[7] Impedance curve is measured in free air conditions at small signals.