

# 8RS250



8" - 200 W - 93 dB - 8 Ohm

## NOMINAL SPECIFICATIONS

Nominal Diameter	200 mm (8 in)
Overall Diameter	223.7/207.9 mm (8.81/8.18 in)
Bolt Circle Diameter	210 mm (8.27 in)
Baffle Cutout Diameter	183 mm (7.20 in)
Depth	108 mm (4.25 in)
Flange and Gasket Thickness	15.3 mm (0.60 in)
<b>Net Weight</b>	<b>4.4 kg (9.7 lb)</b>
Shipping Box (Single Carton Box)	235 x 235 x 155 mm (9.3 x 9.3 x 6.1 in)
Shipping Weight	4.7 kg (10.4 lb)

## PART NUMBER

Push Terminals - 8 Ohm Version	02004221
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## NOTES:

- (1) 2 Hours Test According to AES 2-1984 Rev. 2003
- (2) Maximum power is defined as 3dB greater than nominal power.
- (3) NBR (Rubber)
- (4)  $X_{max} = [(winding\ depth - magnetic\ gap\ depth)/2] + (magnetic\ gap\ depth/3)$
- (5) Maximum excursion before permanent damage

## TECHNICAL PARAMETERS

Nominal Impedance	8 Ohm
Minimum Impedance	7 Ohm
AES Power Handling (1)	200 W
<b>Maximum Power Handling (2)</b>	<b>400 W</b>
<b>Sensitivity (1W/1m)</b>	<b>93 dB</b>
Frequency Range	60-6300 Hz
<b>Voice Coil Diameter</b>	<b>52 mm (2 in)</b>
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	16.5 mm (0.65 in)
<b>Magnetic Gap Depth</b>	<b>8 mm (0.31 in)</b>
Flux Density	1.3 T
Magnet	Ferrite Ring
Basket Material	Aluminum
Demodulation	Aluminum Ring
Cone Surround (3)	Half Roll
NET Air Volume filled by Loudspeaker	1.17 dm <sup>3</sup> (0.041 ft <sup>3</sup> )
Spider Profile	1x variable height waves

## THIELE & SMALL PARAMETERS

Fs	56 Hz
Re	5.7 Ohm
Qes	0.34
Qms	5.7
Qts	0.32
Vas	18.3 dm <sup>3</sup> (0.65 ft <sup>3</sup> )
Sd	223 cm <sup>2</sup> (34.57 in <sup>2</sup> )
Xmax (4)	6.92 mm
Xdamage (5)	15.7 mm
Mms	30.6 g
Bl	13.5 N/A
Le	0.35 mH
Mmd	26.8 g
Cms	0.26 mm/N
Rms	1.9 kg/s
Eta Zero	0.93 %
EBP	165 Hz

