

# 8PR200

8" - 200 W - 94 dB - 16 Ohm



## NOMINAL SPECIFICATIONS

Nominal Diameter	200 mm (8 in)
Overall Diameter	223.75/207.9 mm (8.81/8.18 in)
Bolt Circle Diameter	210 mm (8.27 in)
Baffle Cutout Diameter	183 mm (7.20 in)
Depth	116.7 mm (4.59 in)
Flange and Gasket Thickness	10.7 mm (0.42 in)
<b>Net Weight</b>	<b>2.1 Kg (4.6 lb)</b>
Shipping Box (Single Carton Box)	235 x 235 x 155 mm (9.3 x 9.3 x 6.1 in)
Shipping Weight	2.5 Kg (5.5 lb)

## PART NUMBER

Push Terminals - 16 Ohm Version	02004117
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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) Treated Polycotton
- (4)  $X_{max} = [(winding\ depth - magnetic\ gap\ depth)/2] + (magnetic\ gap\ depth/3)$
- (5) Maximum excursion before permanent damage

## TECHNICAL PARAMETERS

Nominal Impedance	16 Ohm
Minimum Impedance	14 Ohm
AES Power Handling (1)	200 W
<b>Maximum Power Handling (2)</b>	<b>400 W</b>
<b>Sensitivity (1W/1m)</b>	<b>94 dB</b>
Frequency Range	70-5000 Hz
<b>Voice Coil Diameter</b>	<b>52 mm (2 in)</b>
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	20.3 mm (0.80 in)
<b>Magnetic Gap Depth</b>	<b>9 mm (0.35 in)</b>
Flux Density	1.15 T
Magnet	Neodymium Ring
Basket Material	Aluminum
Demodulation	Aluminum Ring
Cone Surround (3)	Triple Roll
NET Air Volume filled by Loudspeaker	1 dm <sup>3</sup> (0.035 ft <sup>3</sup> )
Spider Profile	1x variable height waves

## THIELE & SMALL PARAMETERS

Fs	60 Hz
Re	11.8 Ohm
Qes	0.49
Qms	8.8
Qts	0.47
Vas	14.4 dm <sup>3</sup> (0.51 ft <sup>3</sup> )
Sd	196 cm <sup>2</sup> (30.38 in <sup>2</sup> )
Xmax (4)	8.65 mm
Xdamage (5)	13.5 mm
Mms	26.7 g
Bl	15.5 N/A
Le	0.87 mH
Mmd	25.15 g
Cms	0.26 mm/N
Rms	1.14 Kg/s
Eta Zero	0.61 %
EBP	122 Hz

