

# 8PR155



8" - 200 W - 97 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	98.5 mm (3.88 in)
Flange and Gasket Thickness	10.8 mm (0.43 in)
<b>Net Weight</b>	<b>4.3 kg (9.5 lb)</b>
Shipping Box (Single Carton Box)	235 x 235 x 155 mm (9.3 x 9.3 x 6.1 in)
Shipping Weight	4.6 kg (10.1 lb)

## PART NUMBER

Faston Terminals - 8 Ohm Version	02004172
----------------------------------	----------

## 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	8 Ohm
Minimum Impedance	6.3 Ohm
AES Power Handling (1)	200 W
<b>Maximum Power Handling (2)</b>	<b>400 W</b>
<b>Sensitivity (1W/1m)</b>	<b>97 dB</b>
Frequency Range	80-6300 Hz
<b>Voice Coil Diameter</b>	<b>52 mm (2 in)</b>
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	9.8 mm (0.39 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)	Triple Roll
NET Air Volume filled by Loudspeaker	1.06 dm <sup>3</sup> (0.037 ft <sup>3</sup> )
Spider Profile	1x variable height waves

## THIELE & SMALL PARAMETERS

Fs	85 Hz
Re	5.3 Ohm
Qes	0.39
Qms	8.8
Qts	0.37
Vas	9.4 dm <sup>3</sup> (0.33 ft <sup>3</sup> )
Sd	217 cm <sup>2</sup> (33.67 in <sup>2</sup> )
Xmax (4)	3.57 mm
Xdamage (5)	10.65 mm
Mms	24.5 g
Bl	13.4 N/A
Le	0.41 mH
Mmd	20.9 g
Cms	0.14 mm/N
Rms	1.5 kg/s
Eta Zero	1.45 %
EBP	218 Hz

