

# 5PR120



5" - 100 W - 100 dB - 8 Ohm

## NOMINAL SPECIFICATIONS

Nominal Diameter	130 mm (5 in)
Overall Diameter	150/128.2 mm (5.91/5.05 in)
Bolt Circle Diameter	139 mm (5.47 in)
Baffle Cutout Diameter	118 mm (4.65 in)
Depth	69 mm (2.72 in)
Flange and Gasket Thickness	9 mm (0.35 in)
<b>Net Weight</b>	<b>0.82 kg (1.8 lb)</b>
Shipping Box (Single Carton Box)	185 x 170 x 102 mm (7.3 x 6.7 x 4.0 in)
Shipping Weight	1.0 kg (2.2 lb)

## PART NUMBER

Faston Terminals - 8 Ohm Version	01304399
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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) EPDM (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	5.9 Ohm
AES Power Handling (1)	100 W
<b>Maximum Power Handling (2)</b>	<b>200 W</b>
<b>Sensitivity (1W/1m)</b>	<b>100 dB</b>
Frequency Range	300-5000 Hz
<b>Voice Coil Diameter</b>	<b>32 mm (1.26 in)</b>
Winding Material	Al
Former Material	Kapton
Winding Depth	8.2 mm (0.32 in)
<b>Magnetic Gap Depth</b>	<b>6 mm (0.24 in)</b>
Flux Density	1.7 T
Magnet	Neodymium Ring
Basket Material	Aluminum
Demodulation	No
Cone Surround (3)	Raised planar
NET Air Volume filled by Loudspeaker	0.18 dm <sup>3</sup> (0.006 ft <sup>3</sup> )
Spider Profile	1x constant height waves

## THIELE & SMALL PARAMETERS

Fs	100 Hz
Re	5 Ohm
Qes	0.28
Qms	8.0
Qts	0.27
Vas	4.2 dm <sup>3</sup> (0.15 ft <sup>3</sup> )
Sd	102.2 cm <sup>2</sup> (15.84 in <sup>2</sup> )
Xmax (4)	3.10 mm
Xdamage (5)	5.25 mm
Mms	8.5 g
Bl	10 N/A
Le	0.17 mH
Mmd	7.3 g
Cms	0.30 mm/N
Rms	0.7 kg/s
Eta Zero	1.58 %
EBP	357 Hz

