

# 10RS430

10" - 400 W - 91 dB - 8 Ohm



## NOMINAL SPECIFICATIONS

Nominal Diameter	250 mm (10 in)
Overall Diameter	261 mm (10.28 in)
Bolt Circle Diameter	246 mm (9.69 in)
Baffle Cutout Diameter	230 mm (9.06 in)
Depth	136 mm (5.35 in)
Flange and Gasket Thickness	17 mm (0.67 in)
<b>Net Weight</b>	<b>6.8 kg (15.0 lb)</b>
Shipping Box (Single Carton Box)	294 x 290 x 203 mm (11.6 x 11.4 x 8.0 in)
Shipping Weight	7.3 kg (16.1 lb)

## PART NUMBER

Push Terminals - 8 Ohm Version	TBD
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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	8 Ohm
AES Power Handling (1)	400 W
<b>Maximum Power Handling (2)</b>	<b>800 W</b>
<b>Sensitivity (1W/1m)</b>	<b>91 dB</b>
Frequency Range	30-2500 Hz
<b>Voice Coil Diameter</b>	<b>65 mm (2.56 in)</b>
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	29.8 mm (1.17 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	2 dm <sup>3</sup> (0.071 ft <sup>3</sup> )
Spider Profile	1x constant height waves

## THIELE & SMALL PARAMETERS

Fs	32 Hz
Re	6.8 Ohm
Qes	0.31
Qms	10.0
Qts	0.31
Vas	61.5 dm <sup>3</sup> (2.17 ft <sup>3</sup> )
Sd	344 cm <sup>2</sup> (53.32 in <sup>2</sup> )
Xmax (4)	13.57 mm
Xdamage (5)	21.5 mm
Mms	66.5 g
Bl	17 N/A
Le	0.78 mH
Mmd	59.3 g
Cms	0.37 mm/N
Rms	1.3 kg/s
Eta Zero	0.62 %
EBP	102 Hz

