

# ROSSO-34CDN-PK

AUDIENCE

1" - 30W - 109dB - 8Ohm - VC 34mm

- PEEK diaphragm
- Neodymium motor assembly
- Optimized cast aluminum rear chamber with damping
- High sensitivity
- Wide useful bandwidth
- Smooth frequency and impedance response
- Screw on or bolt on with included adaptor
- Advanced voice coil with flat copper clad aluminum wire



## Dimensions & Weight

Throat Diameter	25.4 mm (1 in)
Overall Diameter	94.5 mm (3.72 in)
90° Mounting Holes Diameter (4xM6)	76 mm (3.0 in)
Depth	53.86 mm (2.12 in)
Net Weight	0.55 kg (1.21 lb)
Shipping Box	108 x 91 x 64 mm (4.25 x 3.58 x 2.48 in)
Gross Weight	0.60 Kg (1.32 lb)

## Specs :

Nominal Impedance	8 Ohm
RDC	6 Ohm
AES Power Handling (1)	30 W
Maximum Power Handling (2)	60 W
Sensitivity (1W/1m)(3)	109 dB
Frequency Range	1000 - 20000 Hz
Recommended Crossover Frequency	2.5 kHz
Voice Coil Diameter	34 mm (1.34 in)
Winding Material	Flat copper clad aluminium
Former Material	Kapton
Winding Depth	2 mm (0.079 in)
Xmax (4)	0.67 mm (0.026 in)
Magnetic Gap Depth	2 mm (0.08 in)
Diaphragm Material	Polyether ether ketone (PEEK)
Flux Density	1.55 T
Magnet	Neodymium
Demodulation	-
Phase Plug Design	Annular
Exit Angle	29.80° conical
NET Air Volume filled by HF Driver	0.15 liters

## Replacement Diaphragm

N/A

### NOTES :

#### Driver mounted on Horn H250

- (1) 2 hour test made with continuous pink noise signal within the range from the recommended crossover frequency to 20kHz.
- (2) Maximum power is defined as 3dB greater than nominal power.
- (3) Averaged within the frequency range
- (4)  $X_{max} = [(Winding\ depth - magnetic\ gap\ depth)/2] + (Magnetic\ gap\ depth/3)$

