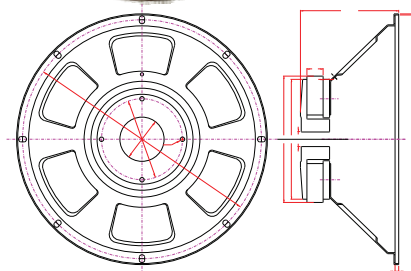




# F-300/300



Capital Radio is the only company in India having total in-house facility to manufacture all metal components of a loudspeaker, giving it an edge over all manufacturers in price, quality and flexibility to make speakers to customers specifications.

The range of speakers lies from 8" to 21" in spun steel and aluminum frames and also in ferrite or neodymium magnets.

Coil production is in-house in copper, aluminium and copper clad aluminium

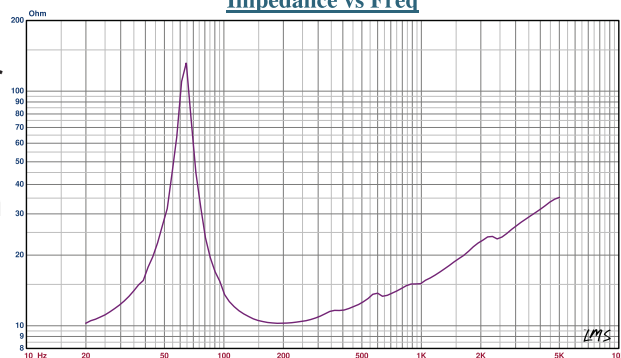
## SPECIFICATION

Power Rating	300W
Music Program	400W
Resonance	63 Hz
Frq. Range	50-3KHz
Sensitivity	96 db
VC Dia	2.5" (64mm)

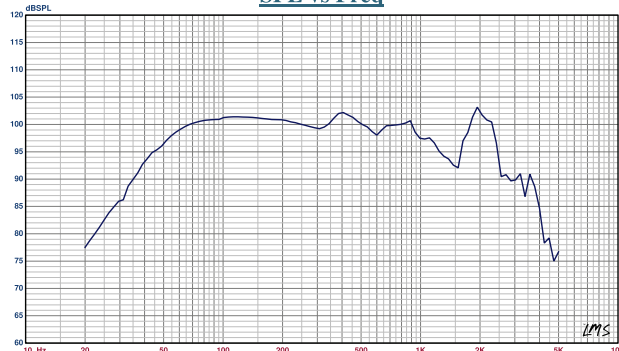
## ELECTRO-MECHANICAL PARAMETERS

DC Resistance	5.8 Ohm
Resonance Freq	63 Hz
S. Area Of Cone	61.575mM <sup>2</sup>
K <sub>rm</sub>	52.167m Ohm
E <sub>rm</sub>	0.589
K <sub>xm</sub>	70.021m H
E <sub>xm</sub>	0.534
V <sub>as</sub>	48.470m M <sup>3</sup>
C <sub>ms</sub>	90.028u M/N
M <sub>md</sub>	61.815 m Kg
Diaph. Mass (including air load)	70.600 m Kg
Bl	18 Tm
Mechanical Q <sub>ms</sub>	4.639
Electromech, Q <sub>es</sub>	0.496
Total Q <sub>ts</sub>	0.448
Efficiency	2.379%
SPL	96 dB
Nom Basket Dia	12" 304mm
Nominal Impedance	8 Ohms

**Impedance vs Freq**



**SPL vs Freq**



## ADDITIONAL INFORMATION

Magnetic Material	Sr <sup>+2</sup> Ferrite mgt
Weight	1960g
MagDia Depth	180mm x 20mm
Mag. Assby Wgt.	5500g
Core details	Vented & Extended
Frame Matr	Spun&Stamped Mild stl
Frame finish	Black Matt
Voice Coil Mat.	Copper
Voice Coil Former	Polyimide
Cone Material	Non pressed long fiber pulp
Cone Edge	Composition Cloth
Dust Cap	Solid Composition paper

## SHIPPING INFORMATION

Net Weight	6220gm
Gross weight	6820gm
Box Dimension	320x320x150mm
Master Carton Dimension	24"x13"x25.5"
No /Carton	8