faital PRO PROFESSIONAL LOUDSPEAKERS

10PR310

10" - 300 W - 97 dB - 16 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	109 mm (4.29 in)
Flange and Gasket Thickness	12 mm (0.47 in)
Net Weight	**4.1 kg (9.0 lb)**
Shipping Box (Single Carton Box)	282 x 280 x 140 mm (11.1 x 11.0 x 5.5 in)
Shipping Weight	4.7 kg (10.4 lb)

PART NUMBER

Push Terminals - 16 Ohm Version	02504119
Recone Kit - 16 Ohm Version	R2504119

TECHNICAL PARAMETERS

Nominal Impedance	16 Ohm
Minimum Impedance	13.6 Ohm
AES Power Handling **(1)**	300 W
Maximum Power Handling (2)	**600 W**
Sensitivity (1W/1m)	**97 dB**
Frequency Range	60÷4000 Hz
Voice Coil Diameter	**65 mm (2.56 in)**
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	12.5 mm (0.49 in)
Magnetic Gap Depth	**8 mm (0.31 in)**
Flux Density	1.2 T
Magnet	Ferrite Ring
Basket Material	Aluminum
Demodulation	No
Cone Surround **(3)**	M-Roll
NET Air Volume filled by Loudspeaker	1.3 dm^3 (0.046 ft^3)
Spider Profile	1x variable height waves

THIELE & SMALL PARAMETERS

Fs	65 Hz
Re	12.1 Ohm
Qes	0.52
Qms	5.3
Qts	0.47
Vas	29.0 dm^3 (1.02 ft^3)
Sd	348 cm^2 (53.94 in^2)
Xmax **(4)**	4.92 mm
Xdamage **(5)**	15.25 mm
Mms	35 g
Bl	18.7 N/A
Le	1.22 mH
Mmd	27.7 g
Cms	0.17 mm/N
Rms	2.7 kg/s
Eta Zero	1.56 %
EBP	125 Hz

NOTES:

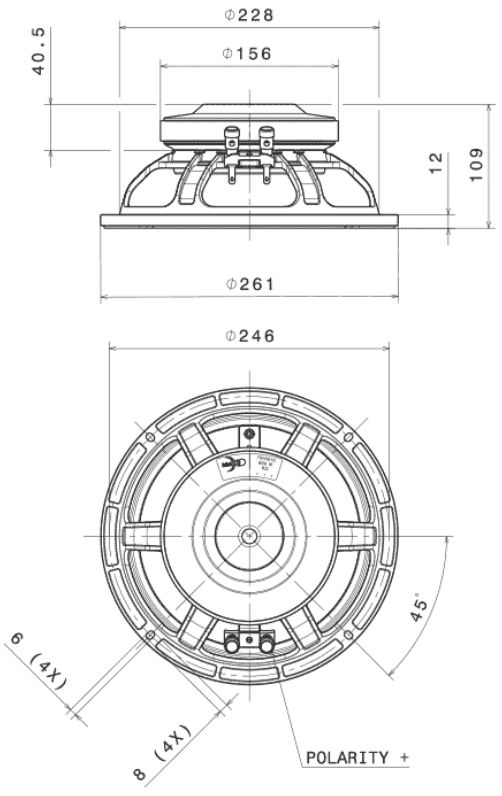
(1) 2 Hours Test According to AES 2-1984 Rev. 2003

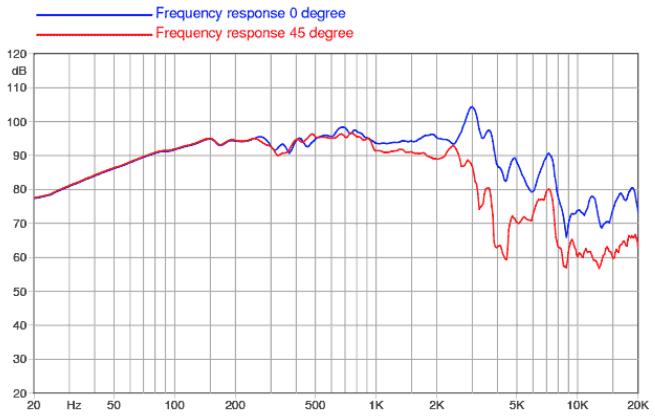
(2) Maximum power is defined as 3dB greater than nominal power.

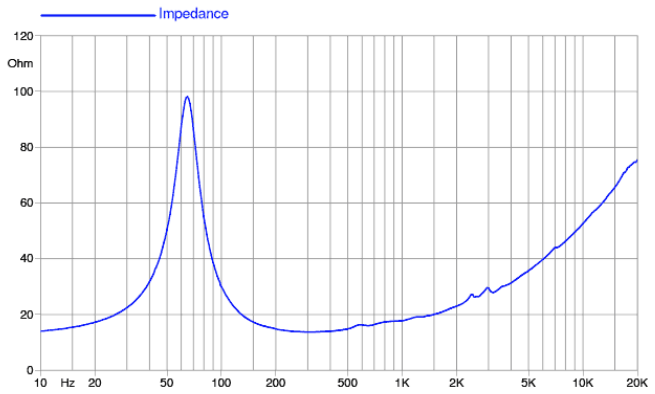
(3) Treated Polycotton

(4) Xmax= [(winding depth - magnetic gap depth)/2] + (magnetic gap depth/3)

(5) Maximum excursion before permanent damage







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