

GCM-802

Written by Administrator

Saturday, 31 August 2013 08:07 - Last Updated Friday, 26 July 2019 04:38



SPECIFICATIONS

Nominal diameter	: 200mm. 8"
Nominal Impedance	: 4 ohm.
Program Power	: 120w.
Frequency range	: 43Hz. – 5KHz.
Voice coil diameter	: 35.5mm.
Magnet dimension	:100mm. x 50mm. x 15mm.

Manufacturer: GIP			
Model: GCM 802			
Nominal Diameter = 165.5 mm (6.5 inches)			
Resonance in Free Air	$f_0 = 88.152$ Hz	Reference Efficiency	$\eta(0) = 0.56848$ %
Resonance on Baffle	$f_{b0} = 0$ Hz	Voice Coil Inductance	$L_e = 0.53837$ mH (1k Hz)
Total Q	$Q_{ts} = 0.88359$		$L_e = 0.23055$ mH (10k Hz)
Electrical Q	$Q_{es} = 1.0903$	Flux Density	$B = 0$ Tesla
Mechanical Q	$Q_{ms} = 4.6599$	Length of Wire in Gap	$L = 0$ meters
Equivalent Volume	$V_{as} = 9.4894$ liters	BL Product	$BL = 5.7158$ N/Amp
	$V_{as} = 0.33511$ cu ft	Effective Moving Mass	$M_{ms} = 19.503$ grams
Compliance	$C_{ms} = 0.167$ mm/N	Voice Coil Diameter	$D_{vc} = 0$ mm
Mechanical Resistance	$R_{ms} = 0$ kg/s	$D_{vc} = 0$ in	
DC Resistance	$R_e = 3.2974$ Ohms	Voice Coil Depth	$D_{cd} = 0$ mm
Maximum Impedance	$Z_{max} = 17.39$ Ohms	Magnetic Gap Depth	$D_{mg} = 0$ mm
Minimum Impedance	$Z_{min} = 3.2974$ Ohms	Voice Coil Material:	
Max Thermal Power	$P_{th} = 0$ Watts	Voice Coil Former:	
Thermal Resistance	$R_{th} = 0$ deg C/W	Voice Coil Layers:	
Max Linear Excursion	$X_{lmax} = 0$ mm, peak	Voice Coil Wire Gauge:	
Max Excursion	$X_{peak} = 0$ mm, peak	Voice Coil Vert:	
Piston Area	$S(D) = 0.020106$ sq m	Wright Parameters:	$K_{ij} = 0.057421$
Peak Volume Displ	$V(D) = 0$ liters		$X_{ij} = 0.46902$
Sensitivity	$SPL = 89.647$ dB SPL (1W/1m)		$K_{ij} = 0.02695$
	$SPL = 93.496$ dB SPL (2.83Vrms)		$X_{ij} = 0.53776$