

# GCM-645

Written by Administrator

Monday, 06 April 2009 07:34 - Last Updated Friday, 26 July 2019 04:25



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{rokbox}images/stories/product/gcm-622b.jpg{/rokbox}

## □ GCM-645

Power 100W.  
Impedance 4 Ohm.  
Frequency response 43Hz. – 2 KHz.  
Sensitivity 1W / 1 M. 98 db.  
Voice coil Dia. 45 mm.  
Magnet Ferrite strontium 120 x 20 mm.

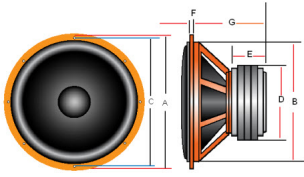
Manufacturer: GIP.			
Model: GCM 645			
Nominal Diameter = 165.5 mm (6.5 inches)			
Resonance in Free Air	f(0) = 71.329 Hz	Reference Efficiency	n(0) = 0.26788 %
Resonance on Baffle	f(b0) = 0.329 Hz	Voice Coil Inductance	L(e) = 0.53655 mH (1k Hz)
Total Q	Q(ts) = 0.76342		L(e) = 0.25287 mH (10k Hz)
Electrical Q	Q(es) = 0.83688	Flux Density	B = 25287 Tesla
Mechanical Q	Q(ms) = 0.697	Length of Wire in Gap	L = 25287 meters
Equivalent Volume	V(as) = 6.4787 liters	BL Product	BL = 6.0104 N/Amp
	V(as) = 0.22879 cu ft	Effective Moving Mass	M(ms) = 19.014 grams
Compliance	C(ms) = 0.262 mm/N	Voice Coil Diameter	D(vc) = 0.014 mm
Mechanical Resistance	R(ms) = 262 kg/s		D(vc) = 0.014 in
DC Resistance	R(dc) = 3.5477 Ohms	Voice Coil Depth	D(cd) = 0.014 mm
Maximum Impedance	Z(max) = 40.416 Ohms	Magnetic Gap Depth	D(mg) = 0.014 mm
Minimum Impedance	Z(min) = 3.5477 Ohms	Voice Coil Material:	
Max Thermal Power	P(t) = 5477 Watts	Voice Coil Former:	
Thermal Resistance	R(t) = 5477 deg C/W	Voice Coil Layers:	
Max Linear Excursion	X(max) = 5477 mm, peak	Voice Coil Wire Gauge:	
Max Excursion	X(peak) = 5477 mm, peak	Voice Coil Vert:	
Piston Area	S(D) = 0.013273 sq m	Wright Parameters:	K(1) = 0.027973
Peak Volume Displ	V(D) = 13273 liters		X(1) = 0.53488
Sensitivity	SPL = 86.379 dB SPL (1W/1m)		K(1) = 0.013604
	SPL = 89.91 dB SPL (2.83Vrms)		X(1) = 0.61347

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Model

A

B

C

D

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E

F

G

GCM-622

166.5mm.

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143mm.

155mm.

100mm.

27mm.

9mm.

71mm.

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GCM625

166.5mm.

143mm.

155mm.

100mm.

27mm.

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9mm.

71mm.

GCM-645

166.5mm.

143mm.

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155mm.

120mm.

35mm.

9mm.

77mm .

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## GCM-850

205mm.

183mm.

194mm.

120mm.

35mm.



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9mm.

93mm.

GCB-1040

260mm.

233mm.

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247mm.

156mm.

66mm.

11mm

140mm.

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GCB-1050

278mm.

238mm.

255mm.

180mm.

70mm.

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18mm.

140mm.

GCB-1242

314mm.

277mm.

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295mm.

156mm.

66mm.

11mm.

155mm.

GCB-1252

318mm.

280mm.

295mm.

225mm.

77mm.

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18mm.

163mm.

GCB-1255 ND

320mm.

280mm.

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295mm.

203mm.

0

18mm.

197mm.



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