

BC
6½" Midwoofer



Type Number: BC18SG49-08

Features:

The BC product line, manufactured in our world-class Panyu, China facility, is known for its quality tweeters and midwoofers. Designed in Denmark by our experienced team of audio engineers, Peerless BC products can meet the most demanding needs for both volume and audio excellence.

Driver Highlights: Polymer-chassis, coated NRSC paper cone, magnetically shielded



Specs:

Electrical Data

Nominal impedance	Zn	8	ohm
Minimum impedance	Zmin	--	ohm
Maximum impedance	Zo	--	ohm
DC resistance	Re	5.7	ohm
Voice coil inductance	Le	0.82	mH

T-S Parameters

Resonance Frequency	fs	46.9	Hz
Mechanical Q factor	Qms	2.68	
Electrical Q factor	Qes	0.67	
Total Q factor	Qts	0.54	
Ratio fs/Qts	F	--	
Force factor	Bl	5	Tm
Mechanical resistance	Rms	--	Kg/s
Moving mass	Mms	10	g
Suspension compliance	Cms	--	mm/N
Effective cone diameter	D	--	cm
Effective piston area	Sd	138	cm ²
Equivalent volume	Vas	31	ltrs
Sensitivity		87	dB
Ratio BL/√(Re)		--	

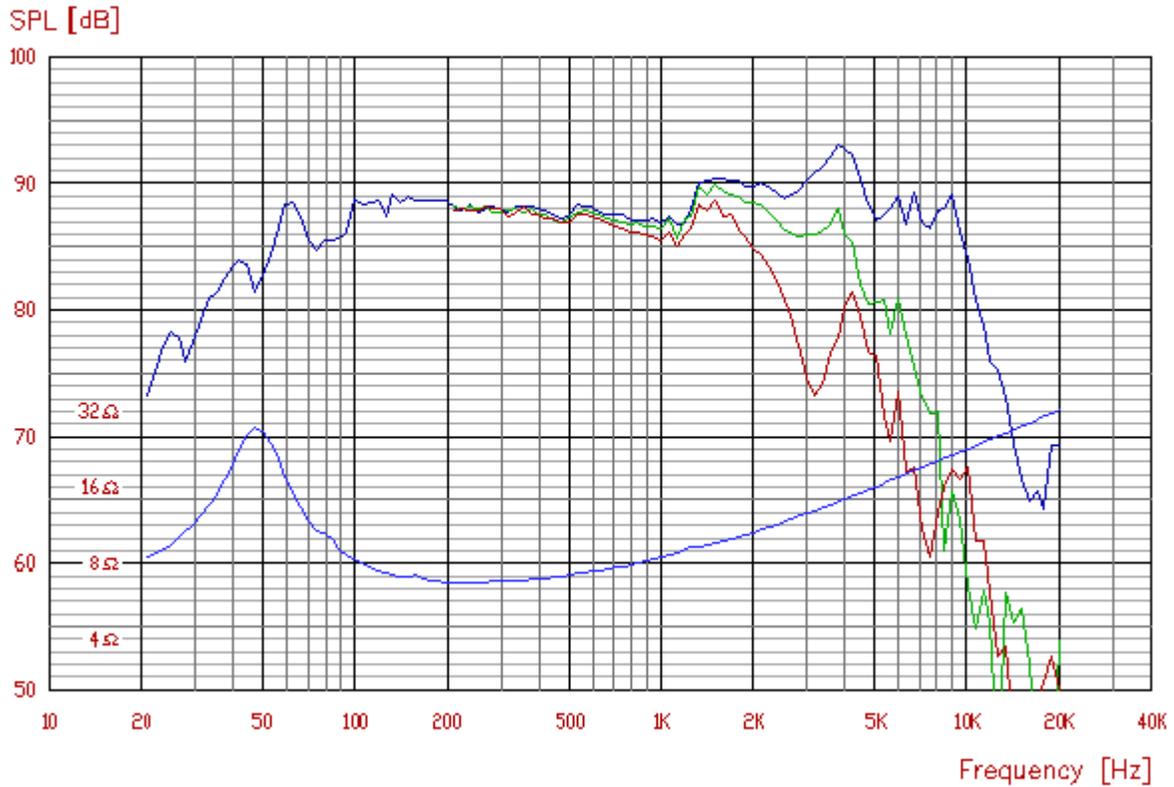
Power handling

100h RMS noise test (IEC)	--	W
Long-term Max System Power (IEC)	160	W
Max linear SPL (rms) @ power	--	dB/W
Short Term Max power	200	W

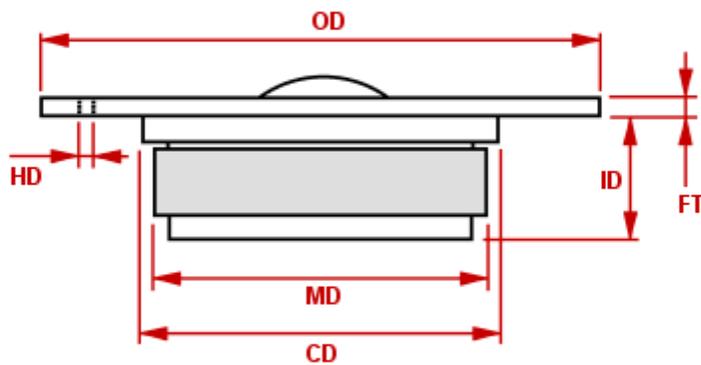
Voice Coil and Magnet Parameters

Voice coil diameter	25	mm
Voice coil height	11.8	mm
Voice coil layers	--	
Height of the gap	4	mm
Linear excursion +/-	--	mm
Max mech. excursion +/-	--	mm
Flux density of gap	--	mWb
Total useful flux	--	mWb
Diameter of magnet	--	mm
Height of magnet	--	mm
Weight of magnet	--	Kg

Frequency:



Mechanical Dimensions:



Drawing Dimensions

Outside Diameter	OD	180	mm
Flange Thickness	FT	4.6	mm
Magnet Diameter	MD	92.6	mm
Cutout Diameter	CD	147	mm
Interior Depth	ID	79.2	mm
Hole Diameter	HD	--	mm
Screw Circle Diameter	SD	--	mm