



PrecisionPower[®]
Absolutely State of the Art Mobile Audio™

SUBWOOFERS

SPEAKERS

AMPLIFIERS



2021

www.precisionpower.com

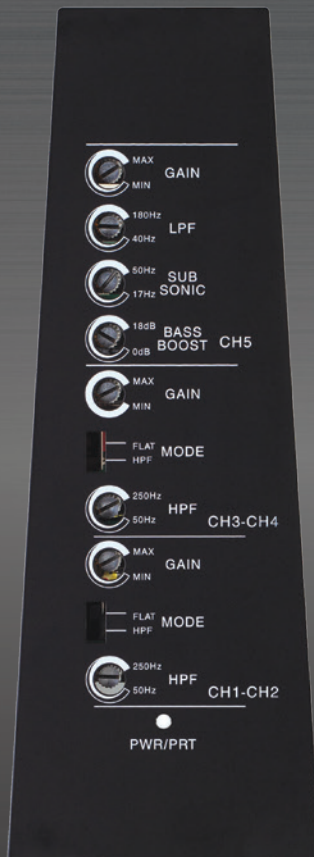
POWER CLASS *Vertical Amplifiers*

Precision Power is proud to present the boldest alongside the tallest generation, PowerClass Vertical Amplifiers. Newer vehicles manufactured today aren't getting any bigger. Finding a mounting location or taking up less floor space with traditional amplifiers is getting challenging; with Vertical PowerClass you can mount behind truck seats or vertically standing up in trunks or rear cargo areas on cars and SUV's

Technology is constantly advancing contemporary materials, new engineering techniques, and technology itself. PowerClass amplifiers represent what audiophile car audio can be. Unparalleled sound quality stems from multiple factors; top quality toroidal transformers, Sanken® transistors from Japan, and low tolerance Wima® resistors and capacitors from Germany, combining components for one of the highest quality amplifiers Precision Power has produced to date. The preamp section is exceptionally detailed with well-built crossovers; high pass, low pass, and subsonic frequencies can all be adjusted behind the removable front panel. To ensure that reduced or noisy input signals do not ruin the amplifier's output, we use balanced RCA inputs for maximum clarity.

PowerClass is beautiful, chiseled, and its vertical stance complements its heart & soul. Each amplifier is secured to its forever home by a concealed, surface-mounted proprietary bracket that locks into the chassis in multiple locations. Confidently display your most recent family members in almost any location, alongside a wheel well, storage cubbies, or even upside down from the ceiling if you're into that sort of thing...

- Sequenced Delays Eliminate Residual Power-Up/Power-Down Pops
- Differential RCA Inputs Isolate 12V/Audio to Ground, Eliminating Ground Loops & Noise
- Full Signal Path Low Noise/Distortion Circuitry Topology
- Optimal Component Layout for Minimal Distortion Induction & Signal Separation
- Differential Drives Divide Pre-Amp & Power-Amp Stages, Eliminating Ground Looping
- Output Stage Bias Individually Sequenced, Optimizing Sound Quality
- Stout 2 Oz. Copper Traces Effortlessly Transfer High Volume Internal Current
- Close Tolerance Signal Path Components; <1% - Wima® of Germany
- N-Channel MOSFET Transistors from Sanken® of Japan
- Volume, Low ESR Capacitance Banks Compensate Power Supply Ripple Currents
- Extra Low Current Drive Stage Increases Efficiency & Sound Clarity
- Individually Regulated Preamp/Crossover Power Supplies Ensure Signal Purity





POWER CLASS AMPLIFIER	MAX POWER (WATTS)	RMS POWER 4Ω BRIDGED, 14.4V	RMS POWER 2Ω, 14.4V	RMS POWER 4Ω, 14.4V	DIMENSIONS (3.25"W x 8"H)	GAIN CONTROL INCLUDED
PC500.4D	1,000	2 x 250	4 x 125	4 x 80	12.25"	-
PC700.4D	1,400	2 x 350	4 x 175	4 x 120	14.50"	-
PC1000.5D	2,000	2 x 200 + 600 x 1 (2Ω)	4 x 100 + 1 x 600	4 x 60 + 1 x 300	17.75"	INCLUDED
PC1000.1D	2,000	1 x 1,000 (1Ω)	1 x 600	1 x 300	12.25"	INCLUDED
PC1800.1D	3,600	1 x 1,800 (1Ω)	1 x 1,000	1 x 500	17.75"	INCLUDED



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ATOM amplifiers

ATOM amplifiers adopt the most exemplary Korean Class-D performance, reliability, and footprint of the original ATOM and iOn platforms. At first glance, you'll notice several key improvements. ATOM's signal inputs, power/ground, and speaker connections are all relocated to the chassis's leading edge for an easier, more appealing install. All pre-amp & crossover options are conveniently located on the backside. You might not notice additions to the circuit board, including improved power supply & output stage components & monoblock bridging capability. The installation of ATOM amplifiers is unique, using mounting pedestals at each corner. The pedestals elevate the heatsink, improving airflow around and underneath the chassis.

High Efficiency Class D Full Range & Monoblock Amplifiers
Hybrid Aluminum Alloy Heatsink for Optimum Dissipation
Chassis Electrical Isolation & Air Convection Mounting Pedestals
2-ohm Stereo & 4-ohm Bridged Class D Full Range 4 ch. & 5 ch.
1-ohm Minimum Impedance Monoblocks, up to 1,800w
Monoblock Bridging Capability for Double Amplifier Application
MOSFET Power Supply w/ Audiophile Grade IR™ Transistors
Military Grade SMT PCB Maintains Dynamic Performance

Quick Disconnect Power and Speaker Harness (A400.4)
200mV-6V Low Level RCA or High Level Signal Input
Quick Disconnect High Level & RCA Wire Harness Included
Easy DIY Install Single Sided Terminals & Controls
4g Power Input Terminals & 12g Speaker Output Terminals
Variable 12dB High Pass, Low Pass, & Subsonic Crossovers
12dB Bass Boost Increases Low Octave Harmonics
Dash Mount Gain Control Module Included (monoblocks & 5 ch.)



ATOM Amplifiers	Black Anodized Finish					Gloss White Marinated		
	A400.4D	A700.4D	A1000.5D	A1200.1D	A1800.1D	MPA700.4D	MPA1000.5D	MPA1200.1D
Channels	4 Ch.	4 Ch.	5 Ch.	Monoblock	Monoblock	4 Ch.	5 Ch.	Monoblock
MAX Power	800w	1,400w	2,000w	2,400w	3,600w	1,400w	2,000w	2,400w
RMS Power 4Ω	60 x 4	100 x 4	60 x 4 + 1 x 250	400 x 1	650 x 1	100 x 4	60 x 4 + 1 x 250	400 x 1
RMS Power 2Ω	100 x 4	175 x 4	100 x 4 + 1 x 450	700x 1	1,000 x 1	175 x 4	100 x 4 + 1 x 450	700x 1
RMS Power 4Ω Bridged	200 x 2	350 x 2	200 x 2 + 1 x 600 (1Ω)	1,200 x 1 (1Ω)	1,800w (1Ω)	350 x 2	200 x 2 + 1 x 600 (1Ω)	1,200 x 1 (1Ω)
Remote Gain Control	-	-	Included	Included	Included	-	Included	Included
Dimensions: (6"w x 2.25"h)	6.00"	10.00"	13.25"	10.00"	13.25"	10.00"	13.25"	10.00"



iON amplifiers

We're in a time where small is popular. Reduced, more economical vehicles are more and more desirable. But that doesn't mean you have to sacrifice massive power for your audio system. The Precision Power iON amplifiers pack vast amounts of power into small chassis thanks to marvelously efficient full-range Class-D topology and SMT technology.

Small Compact 4.75" Wide Chassis
 2-ohm Stereo & 4-ohm Bridged Full Range Operation
 1-ohm Minimum Impedance Monoblock Operation
 MOSFET Power Supply w/ Audiophile Grade IR™ Transistors
 Military Grade SMT PCB Maintains Dynamic Performance
 Hybrid Aluminum Alloy Heatsink for Optimum Dissipation
 Direct Short, Thermal, & Overload Circuits Protect Amplifier
 200mV-6V High Level or Low Level RCA Input
 Quick Disconnect RCA/High Level Wire Harness
 Direct Wire 8ga. Power and Speaker Output Harness
 Variable 12dB High Pass, Low Pass, & Subsonic Crossovers
 12dB Bass Boost Increases Low Octave Harmonics (monoblock)
 Dash Mount Gain Control Module Included (select models)



iON	i350.2	i520.4	i520.4B	i1000.4	i640.5	i650.1	i1000.1
Channels	2 Ch.	4 Ch.	4 Ch. Bluetooth	4 Ch.	5 Ch.	Monoblock	Monoblock
Max Power	700w	1,000w	1,000w	2,000w	1,300w	1,300w	2,000W
RMS Power 4Ω	115 x 2	100 x 4	100 x 4	140 x 4	60 x 4 + 200 x 1	400 x 1	350 x 1
RMS Power 2Ω	175 x 2	130 x 4	130 x 4	250 x 4	80 x 4 + 350 x 1	650 x 1	600 x 1
RMS Power 4Ω Bridged	350 x 1	260 x 2	260 x 2	500 x 2	160 x 2 + 350 x 1	-	1,000 x 1 (1Ω)
Remote Gain Control	-	-	-	-	Included	Included	Included
Dimensions: (5.375" w x 1.875" h)	5.50"	9.25"	9.25"	10.25"	9.25"	9.25"	10.25"

BLACK ICE AMPLIFIERS

Precision Power is proud to introduce the newest generation of amplifiers, Black ICE. Over compensated high headroom power supplies are capable of producing more than conventional power gain with 2 ohm loads. Additionally, double sided PCB's with all surface mount technology enhance the quality of your listening experience.

2-Ohm Stereo, 4-Ohm Bridged Full Range Operation
 1-Ohm Stable Class D Monoblock Operation
 Direct Short, Thermal, & Overload Circuits Protect Amplifier
 200mV-6V High Level or Low Level RCA Input
 Tri-Mode Capable (2/4/5 ch. models)
 Variable 12dB High, Low, & Subsonic Crossovers
 Variable 12dB Band-Pass Crossovers (2ch & 5ch)
 12dB Bass Boost Increases Low Octave Harmonics (monoblock)
 Direct Wire 4ga. Power & 12ga Speaker Terminals
 Dash Mounted Remote Gain Control (5ch. & 1 ch.)



BLACK ICE	ICE800.2	ICE1000.4	ICE1600.4	ICE2200.5	ICE1300.1D	ICE2600.1D	ICE5000.1D	ICE7000.1D
Channels	2 Ch.	4 Ch.	4 Ch.	5 Ch.	Monoblock	Monoblock	Monoblock	Monoblock
MAX Power	800w	1,000w	1,600w	2,200w	1,300w	2,600w	5,000w	7,000w
RMS Power 4Ω	130 x 2	80 x 4	130 x 4	90 x 4 + 380 x 1	300	600	1,200	1,000
RMS Power 2Ω	200 x 2	125 x 4	200 x 4	135 x 4 + 560 x 1	450	900	1,700	1,500
RMS Power 4Ω Bridged	400 x 1	250 x 2	400 x 2	270 x 2 + 560 x 1	-	--	-	2,300 (1Ω)
RMS Power 1Ω	-	-	-	-	650	1,300	2,500	3,500 (.5Ω)
Remote Gain Control	-	-	-	Included	Included	Included	Included	Included
Dimensions: (8.25" w x 2.5" h)	11.50"	12.50"	15.50"	17.00"	10.00"	12.00"	17.00"	21.00"

ATOM *subwoofer*

The first thing you noticed was the wild dustcap; it's not just for your viewing pleasure. The three fins brace the cone and eliminate cone flex during high excursion. And since they are aluminum and couple to the voice coil, they act as a heatsink or heat extractor. Essential to keeping the subwoofers more relaxed and helping them last longer.

ATOM subs use a composite sandwich cone with a polypropylene surface for durability and Spruce pulp backing for smooth low bass. This new series for Precision Power will use an aluminum dust cap that couples to the voice coil former and extends over the cone. Sparing no compromise, the ATOM series's motor assembly includes an extended top top plate, which expands the magnetic field results in dynamic sounds & performance quality you demand and expect. ATOM subwoofers are engineering to be a pinnacle of Precision Power, delivering you absolutely state-of-the-art mobile audio.



Cast Aluminum Heatsink Dust Cap Coupled to the Voice Coil Former
Absorbs & dissipates heat from thermally sensitive voice coil

Aluminum Dust Cap Fins Adhered to Cone Strengthen Rigidity
Eliminates cone flex & radiated distortions during high excursion

Non-Transfer Spruce Pulp Cone w/ UV & Chemical Protection
Composite wood pulp & natural fibers produce smooth, low bass

Dual Poly-Cotton Suspension Maintains Magnetic Gap Linearity
Dampens violent accelerations ensuring moving diaphragm alignment

2.5" 4-Layer 100% Oxygen-Free Copper Voice Coil on Aluminum Former
Aluminum former routes heat from the voice coil to the dust cap by conduction transfer

Hot Forged 1-piece 10mm Top Plate w/ +5mm Expanded Magnetic Gap
Expanded magnetic gap increases magnetic force for higher SPL & maintaining linearity

Hot Forged 1-piece 10mm T-Yoke w/ Center Pole & Back Plate Venting
Venting milled into the T-yoke pole & back plate remove heat by convection transfer



ATOM SUBWOOFERS	AW.10D2	AW.10D4	AW.12D2	AW.12D4
RMS / MAX Power (watts)	500 / 1,000	500 / 1,000	600 / 1,200	600 / 1,200
Efficiency (1w/1m dB)	82.5dB	82.5dB	84.4dB	84.4dB
Voice Coil Configuration	2.50" DVC 2Ω	2.50" DVC 4Ω	2.50" DVC 2Ω	2.50" DVC 4Ω
Mounting Depth	6.00"	6.00"	6.25"	6.25"
Optimum Sealed ft³	0.75ft³	0.75ft³	1.00ft³	1.00ft³
Optimum Ported ft³	1.50ft³	1.50ft³	2.00ft³	2.00ft³

PHANTOM *subwoofer*

Phantom subwoofers are designed and engineered in the USA; these subwoofers give you that sense of nostalgia throwback Flat Piston subwoofer look you remember with all the goodie goodies of today's available technology for big output potential. Newer technology with the finest materials to consistently deliver you the best performance, sound quality, reliability, and value in the car audio industry. Phantom Series Subwoofers uses fiberglass stranding woven together for ultimate strength and minimal elasticity. A heavy soaking in epoxy combined with the sonic qualities of pulp paper backing creates a premium feel.



Non-Transfer Spruce Pulp Cone w/ Woven Fiberglass Flat Piston Diaphragm

Composite wood pulp & natural fibers produce smooth, low bass

Extended Excursion Polyether Foam Surround w/ UV & Chemical Protection

Superior bonding properties adds strength needed during extreme movement

Dual Poly-Cotton Suspension Maintains Magnetic Gap Linearity

Dampens violent accelerations ensuring moving diaphragm alignment

2.5" 4-Layer 100% Oxygen-Free Copper Voice Coil on Aluminum Former

Aluminum former routes heat from the voice coil to the dust cap by conduction transfer

Hot Forged 10mm Top Plate & 1-piece 10mm T-Yoke w/ Center Pole & Back Plate Venting

Venting milled into the T-yoke & subwoofer frame expel heat by convection transfer

High-Temperature, Low Tolerance Adhesives Resist Thermal Failure

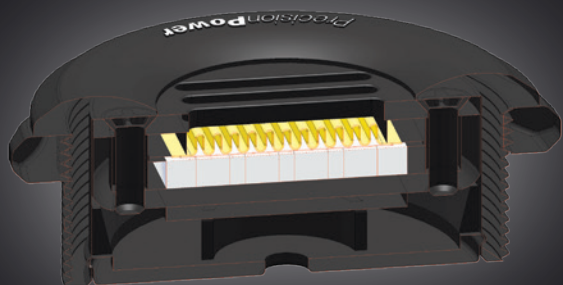
1-Piece Butyl Rubber Trim Ring Seconds As a Gap-Sealing Gasket

Nickel Plated 8ga Spring Loaded Compression Wire Terminals

PHANTOM SUBWOOFERS	PH.10	PH.12
RMS / MAX Power (watts)	700 / 1,400	800 / 1,600
Efficiency (1w/1m dB)	82.95dB	85.80dB
Voice Coil Configuration	2.50" DVC 2Ω	2.50" DVC 2Ω
Mounting Depth	5.875"	6.00"
Optimum Sealed ft³	1.00	1.50
Optimum Ported ft³	1.50	2.25

POWER CLASS *3-Way Premium Components*

Traditional thinking suggests that the human ear can only audibly hear up to 20,000 Hz. So why build a product with reproduction capability to 40,000 Hz? The answer is simple. While we can only audibly hear to 20,000 Hz, there is musical harmonic content well beyond. These higher frequencies harmonics give music texture, presents, and the airiness of a live performance. It is those higher frequencies that give music emotion and touches your other senses. They excite the hair follicles on your arms... your legs... the back of your neck. It makes your audio system sound like you are sitting in front of a live performance.



AMT Tweeter Technology

The cornerstone of this unique component system is our Air Motion Transformer, AMT for short. It is this individual transducer that extends your high-frequency reproduction to over 40,000 Hz and creates this texture, presence, and puts the emotion back into your listening experience.

- AMT's lightweight pleated diaphragm moves side to side instead of the traditional backward and forwards motion, dramatically improving off-axis performance.
- Neodymium Rare Earth bar magnets create a robust driving motion structure in a compact size.
- Adjustable Spin Nut Mounting System adapts to the variable mounting thickness and lets you choose your preferred mounting location for simplified installation

"The three-way PPI system delivers a level of detail that I usually only expect from good home speaker systems..."



GARRY SPRINGGAY
TECHNICAL EDITOR
PASMAG

POWERCLASS	P.65C3
Size & Configuration	6.5" 3-way
RMS / MAX Power (watts)	200 / 400
Frequency Response	20-40kHz
Efficiency (1w/1m dB)	94dB
Woofer Mounting Depth	2.65"



3-WAY
COMPONENTS



ATOM

speakers

ATOM COMPONENT	AS.65C2
Size & Configuration	6.5"
RMS / MAX Power (watts)	75 / 110
System Impedance	4-Ohm
Frequency Response	50-20KHz
Efficiency (1w/1m dB)	88.4dB
Woofer Mounting Depth	2.50"

Painstakingly engineered, ATOM speakers feature the highest quality material & components to create the purest sonic qualities possible. Seamless, phase coherent blending of the speaker components give music texture, presence & the airiness of a live performance. It's these harmonics that pull emotion and all your senses back to the listening experience.



AS.52



AS.57

Polyamide 66 + 30% Glass Fiber Injection Molded Frame

Superior for use in high impact & extreme temperature applications

Natural Pulp Fiber Cone w/ Polypropylene Coating

Hybrid performance characteristics for premium sound & efficiencies

1" Tetoron® Fabric Hemispherical Dome Tweeter

6dB passive high-pass filter blends coherently with the speaker cone

1.25" O.F.C. Copper Voice Coil on Kapton® Former

Extreme temperature stability & low mass increases speaker efficiency

Rear-Attached Surround Increases Effective Cone Area

Poly-Cotton Damper w/ Woven Braided Tinsel Leads

Powder Coated Mesh Steel Grills Included



AS.65



AS.69

ATOM SPEAKERS	AS.69	AS.65	AS.57	AS.52
Size & Configuration	6" x 9"	6.5"	5"x7"	5.25"
RMS / MAX Power (watts)	75 / 150	50 / 100	60 / 120	50 / 100
System Impedance	4-Ohm	4-Ohm	4-Ohm	4-Ohm
Frequency Response	60-20kHz	55-20kHz	75-20kHz	55-20kHz
Efficiency (1w/1m dB)	89.9dB	88.4dB	89.5dB	88.4dB
Woofer Mounting Depth	3.00"	2.50"	2.75"	2.50"

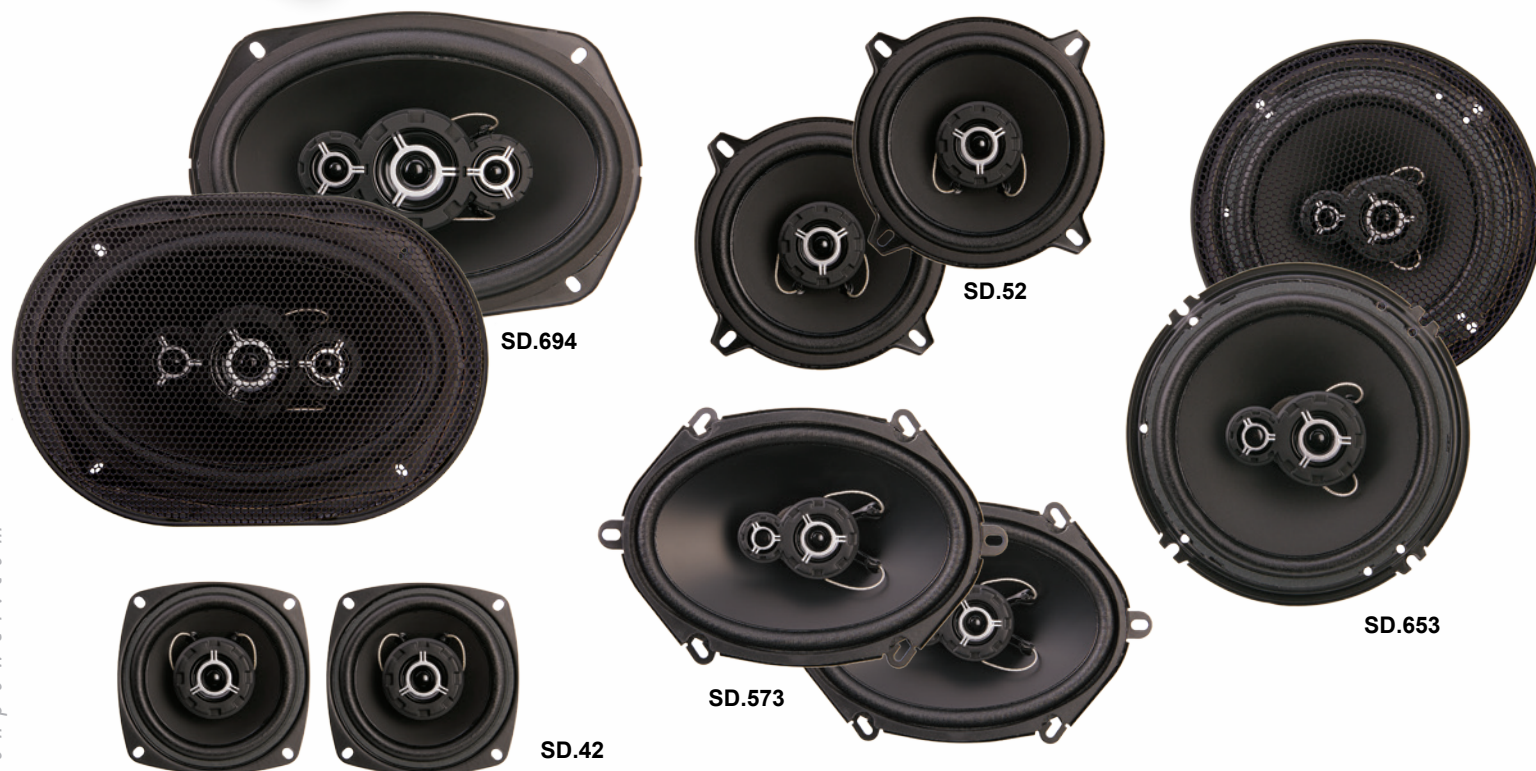
SEDONA

speakers



Improved Efficiency Diaphragm & Magnet Structure
 Injection Molded Polypropylene Cone
 Treated Woven Cloth Surround
 Phase Plug Improves Dynamic Response
 1" Voice Coil on Aluminum Former
 4-ohm System Impedance
 Quick Disconnect Terminals
 1" Flush & Surface Mount Dome Tweeter
 Passive Crossover Included
 Built-in Tweeter Protection

SEDONA	SC.65
Size & Configuration	6.5" 2-way
RMS / MAX Power (watts)	120 / 350
System Impedance	4-Ohm
Frequency Response	70-20kHz
Efficiency (1w/1m dB)	92dB
Woofer Mounting Depth	2.50"



SEDONA SPEAKER	SD.694	SD.653	SD.52	SD.42	SD.573
Size & Configuration	6" x 9" 4-way	6.5" 3-way	5.25" 2-way	4" 2-way	5" x 7" 3-way
RMS / MAX Power (watts)	170 / 500	100 / 300	80 / 250	70 / 200	120 / 350
System Impedance	4-Ohm	4-Ohm	4-Ohm	4-Ohm	4-Ohm
Frequency Response	50-20kHz	80-20kHz	90-20kHz	100-20kHz	75-20kHz
Efficiency (1w/1m dB)	90dB	89dB	87dB	85dB	89dB
Woofer Mounting Depth	4.25"	3.125"	3.125"	2.875"	2.625"

Improved Efficiency Diaphragm & Magnet Structure
 Injection Molded Polypropylene Cone
 Treated Woven Cloth Surround
 1" Voice Coil on Aluminum Former
 4-ohm System Impedance
 Quick Disconnect Terminals
 2" Balanced Dome Mylar Midrange (SD-694)
 1" Balanced Dome Mylar Tweeter
 1/2" Dome Super Tweeter (select models)

signal processors

E.7

1/2 DIN 7-Band Parametric EQ w/ LED Display

Seven Variable Frequency Bands
 +/- 12dB Boost/Cut for Each Band
 LED Display Shows Frequency & Voltage
 Independent Subwoofer Level Control
 Variable 30-300Hz Subwoofer Low-Pass Filter
 Variable 15-50Hz 12dB Subsonic Filter
 2 Selectable Balanced RCA Inputs
 Independent Channel Gain Controls
 Input Selector Switch & Fade Control
 Built-in 7V MAX Line Driver
 Front, Rear, & Subwoofer RCA Outputs
 White LED Backlit Control Knobs



E.DZ

1/2 DIN Dual Zone Equalizer

2 Selectable Balanced RCA Inputs w/ Input Gain
 Four 18dB Front Bands; 125Hz, 500Hz, 3.5kHz, 12kHz
 Three 18dB Rear Bands; 50Hz, 600Hz, 6.3kHz
 Independent Subwoofer Level Control
 Selectable Subwoofer LPF; 32Hz, 64Hz, 125Hz
 Up to 8V Front, Rear, & Subwoofer RCA Outputs
 Fader Control
 Red Backlit Control Knobs

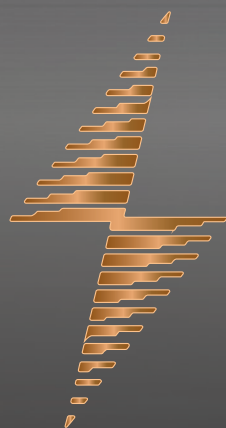


BP.8

Bass Signal Processor

Variable 27-63Hz Bass EQ
 Variable Boost Q
 Boost Voltage Limitation Control
 Selectable 35,50,80Hz Subsonic Filter
 10V Max Line Driver
 Balanced Signal Inputs, Up To 15 Volts
 Selectable Signal Grounding Mode
 Selectable Ground Isolation
 Dash Mount Remote Gain Control
 THD: .003%
 S/N Ratio: 130dB





*Precision***Power**[®]
Absolutely State of the Art Mobile Audio[™]

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