

# DATA SHEET

## DESONO™ P6-SM

### PENDANT LOUDSPEAKER

The desono™ P6-SM is a low-profile, two-way passive pendant loudspeaker intended for full range music reproduction in distributed audio applications. It delivers high intelligibility coupled with a wide coverage area; designers can use fewer loudspeakers in a space while maintaining acceptable levels of speech intelligibility.

The desono P6-SM utilizes a 6-position switchable transformer ranging from 1.875W to 60W for low-impedance bypass and constant-voltage operation, making it an excellent choice for large areas of BGM.

The desono P6-SM is rated for outdoor splash applications such as patios or concourses, and an ideal choice for both indoor and outdoor distributed audio applications that demand superior speech intelligibility and full range music reproduction.



#### FEATURES

- 60W continuous output with a peak power of 240W
- Low-profile “sunshine” form factor
- 6-ohm nominal impedance
- 130° coverage angle
- 6-position constant voltage tap (1.875W, 3.75W, 7.5W, 15W, 30W, 60W) with low impedance bypass
- Bridge-mounted 1-inch (25mm) soft dome tweeter
- 6.5-inch (165mm) polypropylene woofer mechanically isolated from the high frequency driver
- Suitable for indoor and outdoor use
- CE marked, UL listed, and RoHS compliant
- Covered by Biamp Systems’ five-year warranty

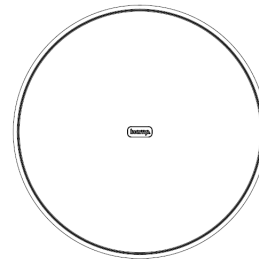
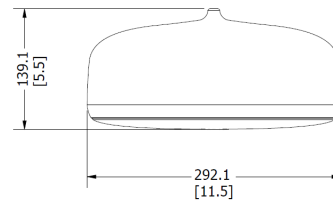
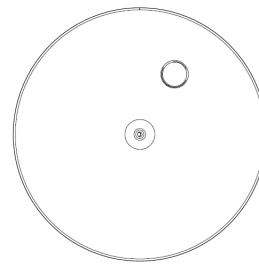
## ARCHITECTS & ENGINEERS SPECIFICATIONS

The pendant loudspeaker shall be a two-way, passive coaxial design intended for overhead mounting. The pendant loudspeaker shall be equipped with a 6.5 inch (165mm) polypropylene low frequency transducer (“woofer”), a 1 inch (25mm) soft dome high frequency transducer (“tweeter”), and a passive crossover/protection circuit network. The high-frequency transducer shall be physically separate from the low frequency transducer and shall be bridge-mounted above the low frequency transducer. The pendant loudspeaker shall have a nominal impedance of 6 ohms. The pendant loudspeaker shall have a coverage angle of 130° from 1kHz to 6kHz. The pendant loudspeaker enclosure shall be constructed of formed steel and UL94V-0 fire rated plastic. The pendant loudspeaker shall maintain an IP34 rating. The pendant loudspeaker shall have an attachment point for connection via chain or wire to building structure as a support point. The pendant loudspeaker shall comply with the requirements of UL Standard 1480a and UL Standard 2043. The pendant loudspeaker shall be UL listed, CE marked and shall be compliant with the RoHS directive. Warranty shall be seven years. The pendant loudspeaker shall be desono™ P6-SM.

## DESONO P6-SM SPECIFICATIONS

## DIMENSIONS

<b>Connectors:</b>	TBD
<b>Nominal Impedance:</b>	6Ω
<b>Transducers:</b>	
<b>Low Frequency:</b>	6.5-inch (165 mm) polypropylene cone woofer
<b>High Frequency:</b>	1-inch (25 mm) plastic dome bridge-mounted tweeter
<b>Frequency Range (-10dB):</b>	60Hz – 20kHz
<b>Output Power Rating (3dB compression, pink noise):</b>	60W continuous; 240W peak
<b>Sensitivity (1W @ 1m):</b>	> 88dB SPL
<b>Maximum SPL:</b>	TBD
<b>Nominal Coverage Angle (1-6kHz):</b>	130°
<b>Operating Environment:</b>	Designed for Indoor/Outdoor Use
<b>Included Accessories:</b>	Hanging hardware
<b>Product Dimensions:</b>	
<b>Overall Diameter:</b>	11.5 inches (292mm)
<b>Depth:</b>	5.5 inches (139mm)
<b>Weight:</b>	TBD
<b>Compliance:</b>	UL and C-UL listed (USA and Canada) CE Marked (Europe) RoHS Directive (Europe)



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