

# MOULDED CABINET LOUDSPEAKERS

- **PBC6T/EN**
- **PBC6T/ENC**

EN54-24



## TECHNICAL SPECIFICATIONS

EN54-24:2008

Certificate No: 0359-CPD-0167 TYPE A

### ELECTRICAL

Rated power, Watts	6
Tappings 100 volt line, Watts	6/3/1.5/0.75/0.25
Transformer Impedance, Ohms 100V	1.67k/3.33k/6.66k/13.3k/39.9k
Tappings 70.7 volt line, Watts	3/1.5/0.75/0.375/0.125
Driver impedance, Ohms	8
Effective Frequency Range, Hz (BSEN60268-5)	160-18,000
S.P.L. @ 4m, 1watt, dB, 1/3 Octave, 1KHz	70
S.P.L. @ 1m, 1watt, dB, Test Signal Bandwidth 100Hz-10kHz	96
S.P.L. @ 4m, Full power, dB, 1/3 Octave 1KHz	78
S.P.L. @ 1m, Full power, Test Signal Bandwidth 100Hz-10kHz	104
Dispersion at 1k/2k Hz, Degrees	119/100

### ENVIRONMENTAL

IP Rating	21
Max/Min Ambient Temp	55°/-10°c
Relative Humidity	≤95%

### MECHANICAL

Dimensions, WxHxD mm	330x240x90
Net Weight, Kgs	1.15
Colour (Unless Specified)	White RAL9016
Material	Low smoke zero Halogen UL-94V0 Plastic with UV inhibitors
Mounting	Keyhole and/or screws

- PBC6T/ENC is supplied with capacitor for DC line monitoring
- PBC6T/EN & C are BS5839 Part 8 Compliant
- Recommended for internal use only

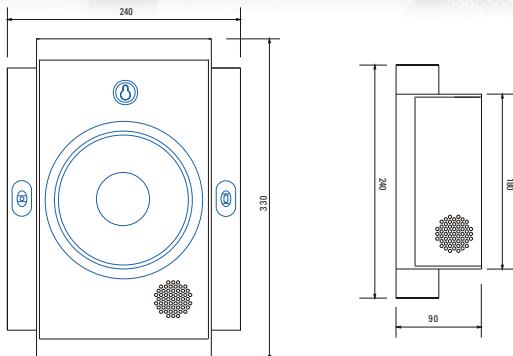
Manufacturer reserves the right to alter specifications without notice

September 2016

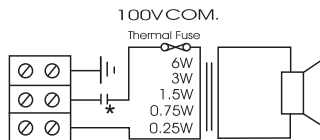
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### CIRCUIT DIAGRAM



PBC6T/ENC  
\*with capacitor

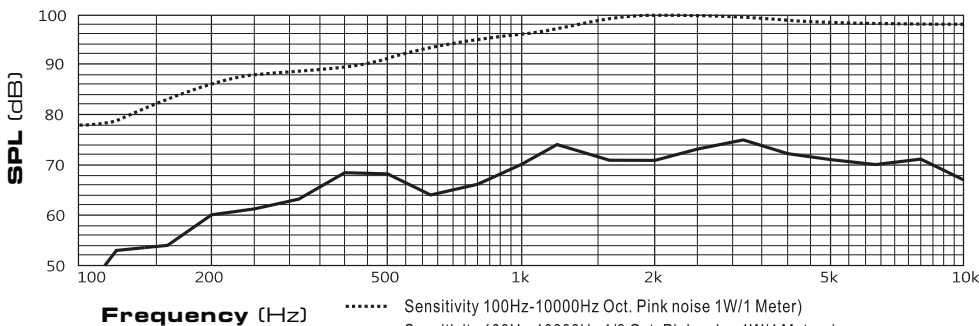
### WITH TRANSFORMER: 100V/70V LINE

	WHITE WIRE PLUS TAPPING					BLACK
	0.25W	0.75W	1.5W	3W	6W	COM
100V	0.125W	0.375W	0.75W	1.5W	3W	COM
70V	0.125W	0.375W	0.75W	1.5W	3W	COM
IMP (Ω)	39.9k	13.3k	6.66k	3.33k	1.67k	

### DISPERSION ANGLES

		HORIZONTAL	VERTICAL
<b>1 OCT.PINK NOISE</b>	500 Hz	218°	186°
<b>1 OCT.PINK NOISE</b>	1K Hz	119°	77°
<b>1 OCT.PINK NOISE</b>	2K Hz	100°	99°
<b>1 OCT.PINK NOISE</b>	4K Hz	67°	58°

### FREQUENCY RESPONSE



..... Sensitivity 100Hz-10000Hz Oct. Pink noise 1W/1 Meter)  
 — Sensitivity 100Hz-10000Hz 1/3 Oct. Pink noise 1W/4 Meters)  
 \*Active Equalizer Applied: NO

PBC6T/EN and PBC6T/ENC have been tested in 100 hours max power (6W). The model does not deviate by more than ± 3dB from the original test value. The frequency response curve and impedance complies with the original one. All SPL tests are performed in an anechoic chamber (<70m³)



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