

# Peerless

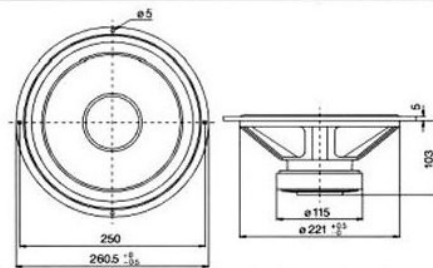


## 10" WOOFER



**831759**

260 SWR 39 115 PPX AL 4L 4Ω



**A** 4Ω version of the 831727 to be used where higher output is required and where the amplifier can handle 4Ω which is generally no problem in audio systems using speakers of this high class. Both 831727 and 831759 have the nice looking and easy to mount CC basket and give excellent bass even in medium sized reflex or closed boxes.

Thiele Small parameters:		Free air	Common	Baffled	Magnet and voice coil parameters:	
Nominal impedance	Znom (Ω):		4.0		Voice coil diameter	d (mm): 39
Minimum impedance/at freq.	Zmin (Ω/Hz):		3.1/133		Voice coil length	h (mm): 23.0
Maximum impedance	Zo (Ω):		27.2		Voice coil layers	n : 4
DC resistance	Re (Ω):		2.6		Flux density in gap	B (T): 0.85
Voice coil inductance	Le (mH):		1.8		Total useful flux	Φ (mWb): 1.34
Capacitor in series with 4Ω (For impedance compensation)	Cc (μF):		65		Height of the gap	hg (mm): 8
Resonance frequency	fs (Hz):	22.4		21.7	Diameter of magnet	dm (mm): 115
Mechanical Q factor	Qms :	2.84		2.94	Height of magnet	hm (mm): 22
Electrical Q factor	Qes :	0.30		0.31	Weight of magnet	(kg): 0.87
Total Q factor	Qts :	0.27		0.28		
F (Ratio fs/Qts)	F (Hz):			77		
Mechanical resistance	Rms (kg/s):		2.79			
Moving mass	Mms (g):	56.2		60.2		
Suspension compliance	Cms (mm/N):		0.90			
Effective cone diameter	D (cm):		19.9			
Effective piston area	Sd (cm <sup>2</sup> ):		310.0			
Equivalent volume	Vas (l):		121.9			
Force factor	BL (N/A):		8.3			
Reference Voltage Sensitivity Re 2.83V 1m at 133 Hz (Calculated)	(dB):			91.4		
					<b>Power handling:</b>	
					Longterm Max System Power (IEC)	(W): 220
					Max linear SPL (rms)/by power	(dB/W): 110/300
					Frequency range for test signal:	20-2000 Hz
					Normal programme material signal with a crest factor of 6dB (IEC 268-5) is used in both tests	

