

# MUSWAY

## MWS822

**Dual Voice Coil  
Subwoofer 20 cm**

**Power Handling**  
**250 Watts RMS / 500 Watts Max.**

### Technical Specifications

Impedance	Zn	2 x 2 Ohms
Voice Coil Diameter	Ø	50 mm
Voice Coil Winding Height		28 mm
Max. Linear Excursion	Xmax	+/- 10 mm
Max. Mechanical Excursion	Xmax (Peak)	+/- 15 mm
Cone Area	Sd	214 cm <sup>2</sup>
Moving Mass	Mms	94,5 g
DC Resistance	Re	2 x 1,8 Ohms
Resonance Frequency	Fs	39,7 Hz
Mechanical Q-Factor	Qms	6,41
Electrical Q-Factor	Qes	0,63
Total Q-Factor	Qts	0,575
Equivalent Air Volume	VAS	10,9 L
VC Inductance	Le	4,6 mH
Flux Density	B/L	8,36 N/A
Efficiency 1W/1m	SPL	83 dB

### Recommended Enclosure

Ported Box	
Vented Volume:	20 L
Port Diameter:	70 mm
Port Area:	38 cm <sup>2</sup>
Port Length:	31 cm
Tuning Freq. (Fb):	39 Hz
-3 dB Rolloff (F3):	32 Hz

Deep Tuning

### Recommended Enclosure

Sealed Box	
Sealed Volume:	9 - 15 L
-3 dB Rolloff (F3):	46 Hz

Recommended Box

### Mechanical Components

- Steel Basket
- Glass-Fibre Cone
- Rubber Surround
- Glass-Fibre Dustcap
- Single Nomex Spider
- Y30 Magnet 40 oz (1.134 g)
- Magnet Size: Ø134 x 20 mm
- TIL (Glass-Fibre) Voice Coil Former

### Dimensions & Weight

External Diameter:	214 mm
Mounting Diameter:	182 mm
Mounting Depth:	78 mm
Shipping Weight:	4,1 kg

