Components

Speaker Technology

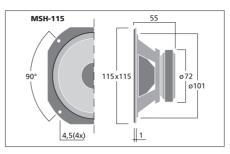
MSH-115

Order No. 10.1840



Hi-fi midrange speaker, 50 W, 8 Ω

- High-end technology matching the SPH-... series
- Coated special cone
- Dust cap with high damping
- Extra flat basket (no need to recessed installation)
- Top linearity
- Perfect mass-drive ratio
- Wide bandwidth
- Hi-fi for highest requirements



MSH-115 (10.1840)



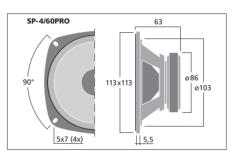
SP-4/60PRO

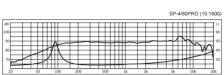
Order No. 10.1600



PA midrange speaker, 30 W, 8 Ω

- 10 cm (4") PA midrange speaker
- Midrange speaker from the L-RAY/1000
- Very linear and wide frequency range
- Excellent sound and dynamic characteristics
- Very low crossover frequency at subwoofer systems possible due to a great linear excursion for a midrange system
- Ideally suited for small PA systems, column speakers and also as a hi-fi midrange speaker







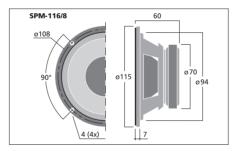
SPM-116/8

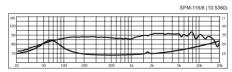
Order No. 10 53



Hi-fi bass-midrange speaker, 40 W, 8 Ω

- Excellent replacement speaker of the same quality as from the original equipment manufacturer
- Low-resonance paper cone
- Long-term stable rubber surround
- Also very well-suited for use as a full range speaker







Model	MSH-115	SP-4/60PRO	SPM-116/8
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	fx-10,000 Hz	f3-10,000 Hz	f3-18,000 Hz
Resonant frequency (fs)	85 Hz	92 Hz	75 Hz
Power rating (RMS)	50 W	30 W	40 W
Peak music power output (MAX)	120 W	60 W	80 W
Sensitivity	89 dB/W/m	90 dB/W/m	87 dB/W/m
Suspension compl. (Cms)	0.8 mm/N	0.47 mm/N	0.98 mm/N
Moving mass (Mms)	4.5 g	6.3 g	3.8 g
Mech. Q factor (Qms)	1.98	5.35	1.9
Electr. Q factor (Qes)	0.55	0.67	0.81
Total Q factor (Qts)	0.43	0.60	0.57
Equivalent volume (Vas)	41	3,04	4.5
DC resistance (Re)	6.3 Ω	6.76 Ω	7.2 Ω
Voice coil diameter	Ø 25 mm	Ø 25 mm	Ø 20.5 mm
Voice coil former	aluminium	Kapton	aluminium
Linear excursion (X _{MAX})	± 1.5 mm	± 2.3 mm	± 1.5 mm
Eff. cone area (Sd)	55 cm ²	68 cm ²	57 cm ²
Mounting cutout	Ø 101 mm	Ø 103 mm	Ø 94 mm
Dimensions	115 x 115 x 55 mm	113 x 113 x 63 mm	Ø 115 mm x 60 mm
Weight	0.56 kg	0.9 kg	0.557 kg

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Full specifications can be found on our website www.monacor-international.com

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