

# SPX-31M - HiFi Fullrange Speaker



Hi-fi full range speaker, 20 W, 8 Ohm

- Excellent sound quality
- High-quality paper cone
- Aluminium phase plug for optimising radiation pattern
- Rear-ventilated centering spider
- Shielded magnet system
- Application in small speakers or satellite systems
- Ideally suited for application in FAST speakers (full range and subwoofer technology)

Klang+Ton 02/2016

RAPTOR-6 and SPX-31M in the K+T test with MONACOR's sound bar:

"This design provides a higher dynamic efficiency than most ready-made products available on the market."

HOBBY HiFi 06/2015

"Ideally suited as a desktop speaker system.

Very neat workmanship."

## Tekniset tiedot:

|   |                                |
|---|--------------------------------|
| Impedance (Z)                             | : 8 Ohm                        |
| Transmission method                       | : -                            |
| Frequency range                           | : f3-20,000 Hz                 |
| Resonant frequency (fs)                   | : 110 Hz                       |
| Rec. crossov. frequ. (fmax.) (12 dB/oct.) | : -                            |
| Power rating (RMS)                        | : 20 W                         |
| Peak music power output (MAX)             | : 40 W                         |
| Sensitivity                               | : 86 dB/W/m                    |
| Max. rated SPL                            | : -                            |
| Max. voltage                              | : -                            |
| Radiation angle, horizontal               | : -                            |
| Radiation angle, vertical                 | : -                            |
| Suspension compl. (Cms)                   | : 0.92 mm/N                    |
| Moving mass (Mms)                         | : 1.9 g                        |
| Mech. Q factor (Qms)                      | : 3.707                        |
| Electr. Q factor (Qes)                    | : 0.69                         |
| Total Q factor (Qts)                      | : 0.58                         |
| Equivalent volume (Vas)                   | : 1.3 l                        |
| DC resistance (Re)                        | : 6.4 Ohm                      |
| Force factor (BxL)                        | : 3.64 Tm                      |
| Voice coil induct. (Le)                   | : 0.18 mH                      |
| Voice coil diameter                       | : $\tilde{\sim}$ 20 mm         |
| Voice coil former                         | : Kapton                       |
| Linear excursion (X <sub>MAX</sub> )      | : $\pm$ 1.1 mm                 |
| Eff. cone area (Sd)                       | : 32 cm <sup>2</sup>           |
| Magnet weight                             | : 119 g                        |
| Magnet diameter                           | : $\tilde{\sim}$ 68 mm         |
| Mounting cutout                           | : $\tilde{\sim}$ 71 mm         |
| Mounting depth                            | : 53 mm                        |
| Mounting hole diameter                    | : -                            |
| Hole spacing X-axis                       | : -                            |
| Hole spacing Y-axis                       | : -                            |
| Dimensions                                | : $\tilde{\sim}$ 93 mm x 55 mm |
| Outside diameter                          | : $\tilde{\sim}$ 93 mm         |
| Width                                     | : $\tilde{\sim}$ 93 mm         |



|                       |           |
|-----------------------|-----------|
| Height                | : -       |
| Depth                 | : 55 mm   |
| Protective class      | : -       |
| Admiss. ambient temp. | : 0-40 °C |
| Weight                | : 0.49 kg |
| Packing unit          | : 1       |
| Type of speaker       | : 3"      |