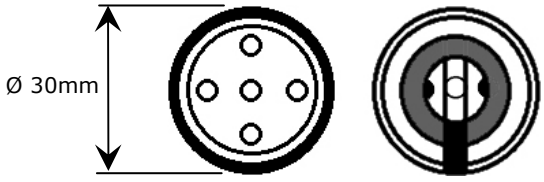
# Stereo headphones with rotable earcups

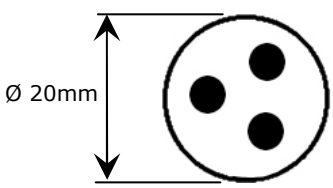
## 1. BOM:

| No. | Name | Qty | Material | Color |
|---|---|---|---|---|
| 1 | Plug | 1 | Nicked plated / 3.5mm 3P | Silver |
| 2 | Cord | 1 | Ø2.0mm PVC / 1200mm | Black |
| 3 | Driver Unit | 2 | Ø30mm | |
| 4 | Headset | 1 | ABS | Black |
| 5 | Earpieces | 2 | Sponge | Black |

## 2. Speaker Drawing:




## 3. Cord Structure:





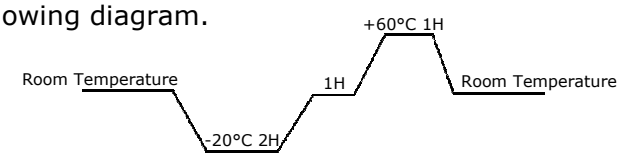

Molpir s.r.o. sídlo: SNP 129, 919 04 Smolenice; prevádzka: Hrachová 30, 821 05 Bratislava, Slovenská republika, Tel.: 00421 2 4319 1219, Fax: 00421 2 4319 1220, e-mail: obchod@molpir.com, www.molpir.com, www.shop.molpir.com
IČO: 31431372, IČpD: SK 2020391560, Tatra banka Bratislava, č. ú.: 2628020575/1100, register: OS Trnava, odd: Sro, vlož.: 1045/T
MOLPIR GROUP CZ a.s., Technologická 838/14, 779 00 Olomouc, Holice, Česká republika, Tel.: 00420 585 315 017, Fax: 00420 585 315 021, e-mail: molpir_o@molpir.cz, www.molpir.cz
MOLPIR GROUP CZ a.s., Business centrum Klamovka, Plzeňská 155/113, 150 00 Praha 5 – Košíře, Tel.: 00420 724 606 000, e-mail: jsvoboda@molpir.cz, www.molpir.cz
IČO: 25828843, DIČ: CZ25828843, ČSOB Olomouc, č. ú.: 377913723/0300, Registrace: KOS, OR Ostrava, oddíl B, vložka č. 2094

## 4. Head set Earpiece Acoustic Characteristics:

Note: all data at room temp unless otherwise specified.

| | | |
|---|---|---|
| 4.1 | Product | |
| | 4.1.1 Type | Earpiece side (Receiver) |
| 4.2 | 4.2.1 Impedance | 32Ω ± 4Ω at 1kHz |
| | 4.2.2 Sound Pressure Level | 90dB ± 3dB S.P.L. at 1000Hz |
| | 4.2.3 Frequency Response | 20Hz ~ 15kHz |
| | 4.2.4 Rated Input Power | 10mW |
| | 4.2.5 Maximum Input Power | 50mW |
| 4.3 | Electrical test (temperature +25°C ± 5% | |
| | Test conditions | |
| | 4.3.1 Distortion | Less than 1% at rated power at 1kHz |
| | 4.3.2 Abnormal Sound Test | There should be no abnormal sound from 200Hz to 20kHz when input with pure sine wave at rated power. |
| | 4.3.3 Maximum Power | Earphone not to be impaired after 10 minutes application of white noise on maximum power for 10 minutes. |
| Max. input sound level | 100 | dB SPL |

## 5. Enviromental and Reliability Test for Headset:

| | | |
|---|---|---|
| 5.1 | Low Temperature Test | Leave the product at -40°C for 24 hours. After the test, leave the hands free for 2 hours at room temperature. The products should function normally, with no electrical fault. |
| 5.2 | Hight Temperature Test | Leave the product at +50°C for 24 hours. After the test, leave the hands free for 2 hours at room temperature. The products should function normally, with no electrical fault. |
| 5.3 | Load Test | Speaker should not fail after apply 50~15kHz white noise rated power input (RMS), 96 hours. After test SPL shall not deviated by 3dB from pretest measurement. |
| 5.4 | Temperature Cycle Test | Product to function normally after 1 cycle of following diagram.   |
| 5.5 | Operating Temperature | -10°C ~ +60°C |
| 5.6 | Storage Temperature | -20°C ~ +50°C |



Molpir s.r.o. sídlo: SNP 129, 919 04 Smolenice; prevádzka: Hrachová 30, 821 05 Bratislava, Slovenská republika, Tel.: 00421 2 4319 1219, Fax: 00421 2 4319 1220, e-mail: obchod@molpir.com, www.molpir.com, www.shop.molpir.com
IČO: 31431372, IČpD: SK 2020391560, Tatra banka Bratislava, č. ú.: 2628020575/1100, register: OS Trnava, odd: Sro, vlož.: 1045/T
MOLPIR GROUP CZ a.s., Technologická 838/14, 779 00 Olomouc, Holice, Česká republika, Tel.: 00420 585 315 017, Fax: 00420 585 315 021, e-mail: molpir_o@molpir.cz, www.molpir.cz
MOLPIR GROUP CZ a.s., Business centrum Klamovka, Plzeňská 155/113, 150 00 Praha 5 – Košíře, Tel.: 00420 724 606 000, e-mail: jsvoboda@molpir.cz, www.molpir.cz
IČO: 25828843, DIČ: CZ25828843, ČSOB Olomouc, č. ú.: 377913723/0300, Registrace: KOS, OR Ostrava, oddíl B, vložka č. 2094
ISO 9001