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1. General

Operating temperature: -40°C bis

-40°C bis +105°C component weight [g]:

11

Storage temperature:

-40°C bis +105°C

PIN

housing color:

black

Packageing:

Contact:

magazine

IP rating:

oonform 🗸

ESD conform

✓

RoHs conform:

yes

Remark:

coil wire 0.045 Cu bonded by hot air, Housing: 51021-0200, Terminal: 50079-0800 (Both Molex)

2. Electrical and acoustical specification

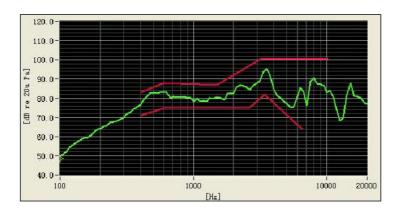
Describtion			Value	Tolerance
rated input power:			1,3	
maximum input power:			1,5	
impedance:			32	± 10%
Frequency [Hz]			500	± 100
frequency range:		400 -	10000	
SPL [dBA]	within 400Hz and 10000Hz, 0.5m distance, 0.15W, 70% of frequency range / within 400Hz and 10000Hz, 0.5m distance, 0.15W, 100% of frequency range >60dB		>75	
buzz and rattle:				
magnet material:				
membrane material:				
polarity:				
Remark:				

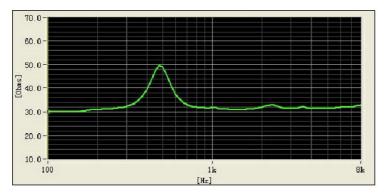
GREWUS		dimensions without tolerance: ± 0.2	scale:	
Designed by: Ralf Hinnerichs	07.03.2012	part number:	index:	Last update:
Released by: Ralf Hinnerichs	08.03.2013	SH 3032P-07 A	Α	08.03.2013
drawing number: 411034689		Loudspeaker	F	age 1 of 6

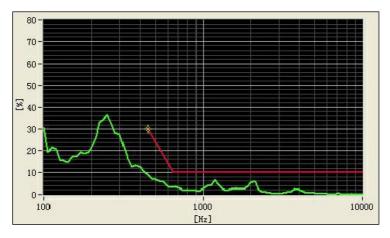
Transmital, reproduction, dissermination and for eciting of this documents swell as adilization of its contents and communication thereof to

3. Acoustical characteristic

The following frequency curve is the minimum level (-3dB) at 0.15W in 0.1m distance.



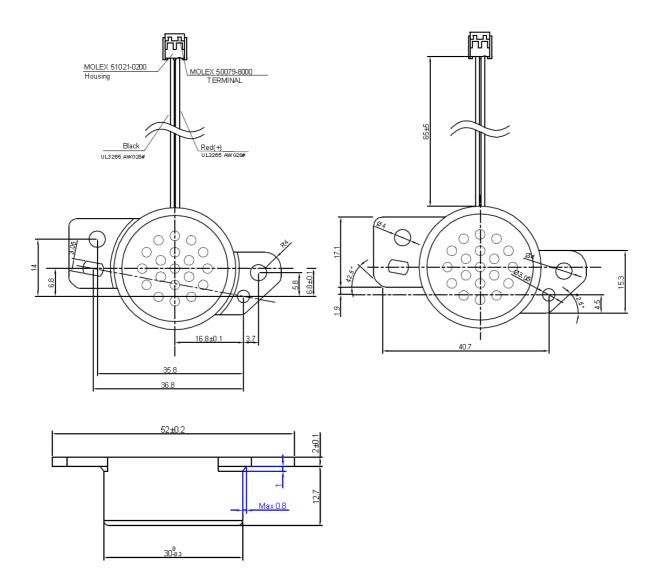




GREWUS			Dimensions without tolerance	± 0.3	Scale	
Designed by	Ralf Hinnerichs	07.03.2012	Part number		Index	Date
Released by	Ralf Hinnerichs	08.03.2013	SH3032P-07A		Α	08.03.2013
Drawing number	411034689				Page	2 of 6

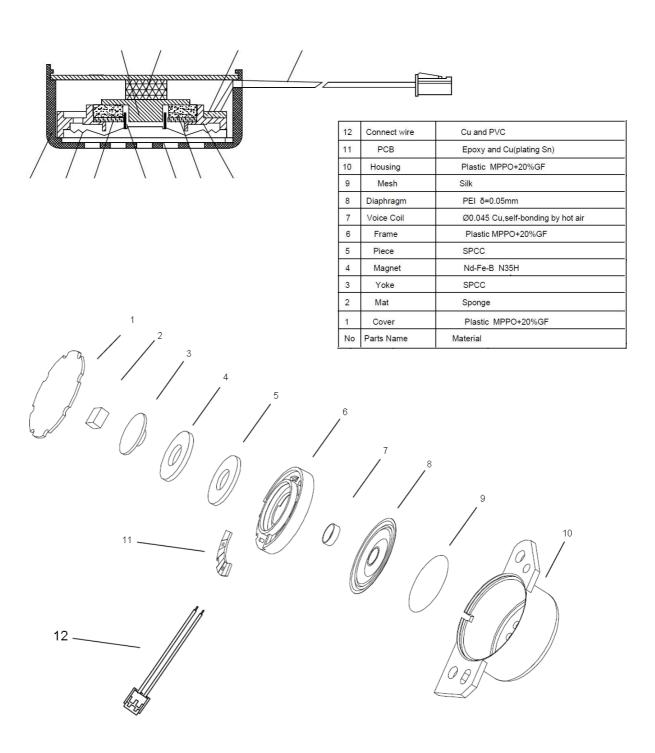
SH3032P-07A Index A LS

4. Drawing



Dimension tolerance	0~3	>3~6	>6~30	>30~120
Tolerance level	±0.1	±0.1	±0.2	±0.2

GREWUS			Dimensions without tolerance ± 0	0.3	Scale	
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GREWUS			Dimensions without tolerance ± 0.3	Scale	
Designed by	Ralf Hinnerichs	07.03.2012	Part number	Index	Date
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5. Reliability tests

1. Endurance test, Duration 240hrs

At square wave, duty cycle: 50% asymmetric, Un = 7Vop f=2048 \pm 30Hz Temperature cycle -40...+85°C with cycle duration 4h; 10s on/off

2. High temperature durability acc. to IEC 60068 part2-2

Temperature +85 ± 3°C

Duration 1000h

3. Low temperature durability acc. to IEC 60068 part 2-1

Temperature -40 ± 3°C, Duration 500h

4. Humidity durability acc. to IEC 60068 part2-3

Temperature 40 ± 3°C, Rel. humidity 93%RH, Duration 56days

5. Temperature cycle durability acc. to IEC60068 part 2-14

Low Temperature -40 \pm 3°C, Upper Temperature +85 \pm 3°C, Transfer time from lower to upper Temperature <10s, Number of cycles 100cycles

6. Shock test acc. to IEC 60068 part 2-27

100g for each free mutually perpendicular directions to each of 3times by sine-wave

7. Vibration test acc. to IEC 60068 part 2 -6

sine-wave excitation; 8...300Hz, 2g, 1 octave/min; test time 16h each axis

Additional requirements:

Test of solderability and resistance to soldering heat acc. to VDON4.3643.001

X-ray solder point inspection according to VDON 4.4814.001

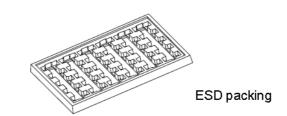
Washability: not washable

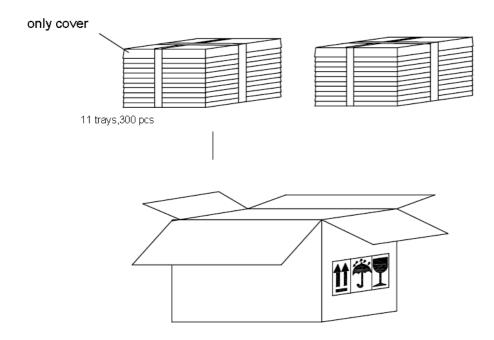
Cadmium prohibited as per DIN 5.5000.1

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6. Packaging





- 1) 30pcs per tray, 2) 22pcs tray per carton, 3) 600pcs per carton, 4) carton size: 59X45X28cm

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