

**MODEL:** IA-MS6335B | **DESCRIPTION:** AUDIO INLINE ADAPTER**FEATURES**

- 3.5 mm stereo to 6.3 mm mono
- metal cover

**SPECIFICATIONS**

| parameter             | conditions/description           | min | typ   | max | units              |
|-----------------------|----------------------------------|-----|-------|-----|--------------------|
| rated input voltage   |                                  |     | 12    |     | Vdc                |
| rated input current   |                                  |     |       | 1   | A                  |
| contact resistance    | between plug and jack            |     |       | 1   | $\Omega$           |
| insulation resistance | at 300 Vdc                       | 2   |       |     | M $\Omega$         |
| insertion force       | when mating with a standard jack | 0.4 |       | 4   | kgf                |
| withdrawal force      | when mating with a standard jack | 0.4 |       | 4   | kgf                |
| operating temperature |                                  | -25 |       | 70  | $^{\circ}\text{C}$ |
| operating humidity    |                                  |     |       | 85  | %                  |
| life                  |                                  |     | 5,000 |     | cycles             |
| flammability rating   | see material table               |     |       |     |                    |
| RoHS                  | yes                              |     |       |     |                    |

## MECHANICAL DRAWING

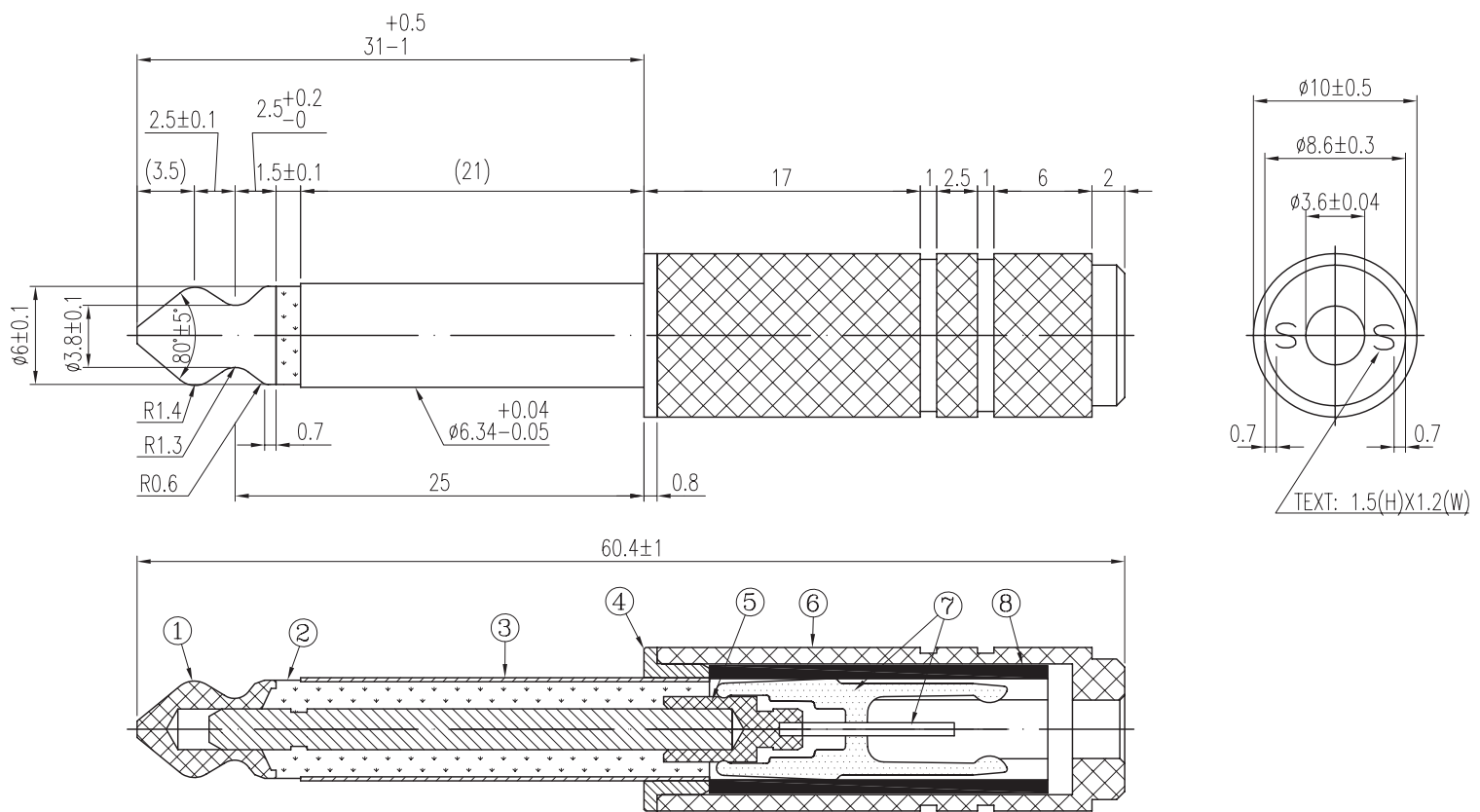
units: mm

tolerance:

 $X \leq 1.0$ :  $\pm 0.1$  mm $1.0 < X \leq 6.0$ :  $\pm 0.2$  mm $6.0 < X \leq 12.0$ :  $\pm 0.3$  mm $12.0 < X \leq 25.0$ :  $\pm 0.4$  mm $X > 25.0$ :  $\pm 0.5$  mm

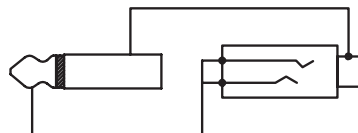
unless otherwise noted

| ITEM | DESCRIPTION           | MATERIAL        | PLATING/COLOR |
|------|-----------------------|-----------------|---------------|
| 1    | plug tip              | brass           | nickel        |
| 2    | insulator             | ABS(UL94HB)     | black         |
| 3    | plug sleeve           | brass           | nickel        |
| 4    | body                  | brass           | nickel        |
| 5    | internal body         | brass           | nickel        |
| 6    | cover                 | brass           | nickel        |
| 7    | receptacle tip & ring | phosphor bronze | nickel        |
| 8    | plastic tube          | PE              | white         |



Ø6.3 Mono Plug

Ø3.5 Stereo Receptacle



Schematic

## REVISION HISTORY

| rev. | description       | date       |
|------|-------------------|------------|
| 1.0  | initial release   | 06/18/2018 |
| 1.01 | updated datasheet | 08/13/2019 |
| 1.02 | brand update      | 10/18/2019 |

The revision history provided is for informational purposes only and is believed to be accurate.

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