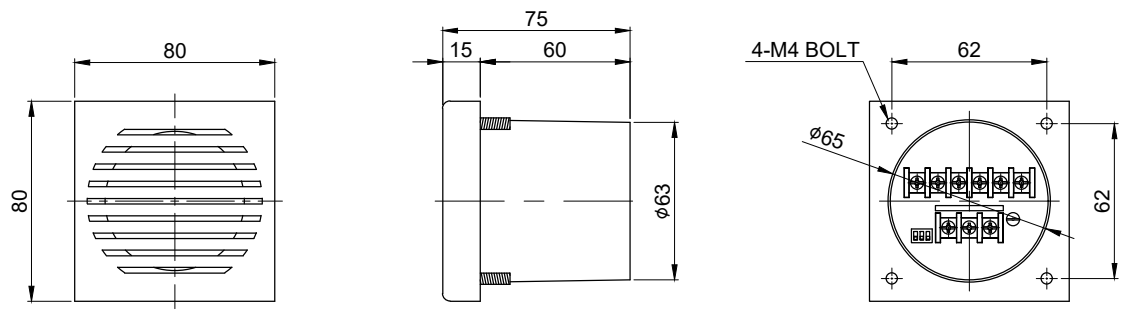


| MARK | DATE | REVISION | REVISER | APP. BY |
|------|------|----------|---------|---------|
| ①    |      |          |         |         |
| ②    |      |          |         |         |
| ③    |      |          |         |         |

|                  |         |                         |        |
|------------------|---------|-------------------------|--------|
| MODEL NO         |         | SPK                     |        |
| MATERIAL         |         | HOUSING-ABS             |        |
|                  |         | COVER-ABS               |        |
| USE VOLT.        | CURRENT | DC12V                   | 0.288A |
|                  |         | DC24V                   | 0.155A |
|                  |         | AC110V                  | 0.036A |
|                  |         | AC220V                  | 0.018A |
| VOLUME           |         | MAX. 85dB at 1m         |        |
| PROTECTION GRADE |         | WATER & DUST PROOF IP23 |        |
| CABLE ENTRY      |         | TERMINAL                |        |
| COLOR            |         | MAKER STANDARD          |        |



|                        | ISO2768-1 : CLASS OF TOLERANCE |        |      |        |        | SURFACE FINISH |
|------------------------|--------------------------------|--------|------|--------|--------|----------------|
|                        | f                              | m      | Ⓢ    | v      |        |                |
| FOR LINEAR DIMENSIONS  | 0.5~3                          | ±0.05  | ±0.1 | ±0.2   | -      |                |
|                        | 3~6                            |        |      | ±0.3   | ±0.5   |                |
|                        | 6~30                           | ±0.1   | ±0.2 | ±0.5   | ±1     |                |
|                        | 30~120                         | ±0.15  | ±0.3 | ±0.8   | ±1.5   |                |
|                        | 120~400                        | ±0.2   | ±0.5 | ±1.2   | ±2.5   |                |
|                        | 400~1000                       | ±0.3   | ±0.8 | ±2     | ±4     |                |
| FOR ANGULAR DIMENSIONS | 0~10                           | ±1°    |      | ±1°30' | ±3°    |                |
|                        | 10~50                          | ±0°30' |      | ±1°    | ±2°    |                |
|                        | 50~120                         | ±0°20' |      | ±0°30' | ±1°    |                |
|                        | 120~400                        | ±0°10' |      | ±0°13' | ±0°30' |                |

|                     |          |             |          |         |            |           |
|---------------------|----------|-------------|----------|---------|------------|-----------|
| Nr.                 | DWG. NO. | TITLE/ NAME |          | MAT'L   | QTY        | REFERENCE |
| DSND BY             | CHKD BY  | CHKD BY     | APRV BY  | VIEW    | DATE       |           |
| S.H.KIM             | J.H.PARK |             | J.K.HAN  | 3       | 2016.08.30 |           |
| TITLE               |          |             | MODEL    |         |            |           |
| SPK OUTLINE DRAWING |          |             | SPK      |         |            |           |
|                     |          |             | DWG. NO. | SPK_OUT |            |           |
|                     |          |             | SCALE    | SIZE    | REV        | SHEET     |
| N/S                 | A4       | 00          | 1/1      |         |            |           |