

# Transistors

常州KK供应商

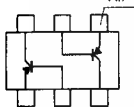
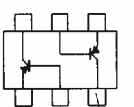
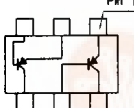
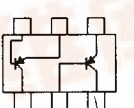
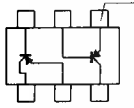
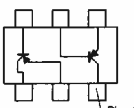
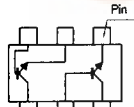
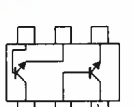

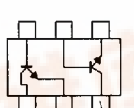
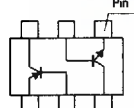
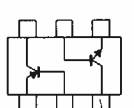

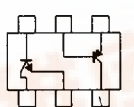

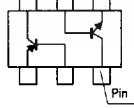
7828999 0007377 1.83

PHM

捷多邦, 专业PCB打样工厂, 24小时加急出货

UM6 and IMD packages contain two independent transistors in one small surface mount package.

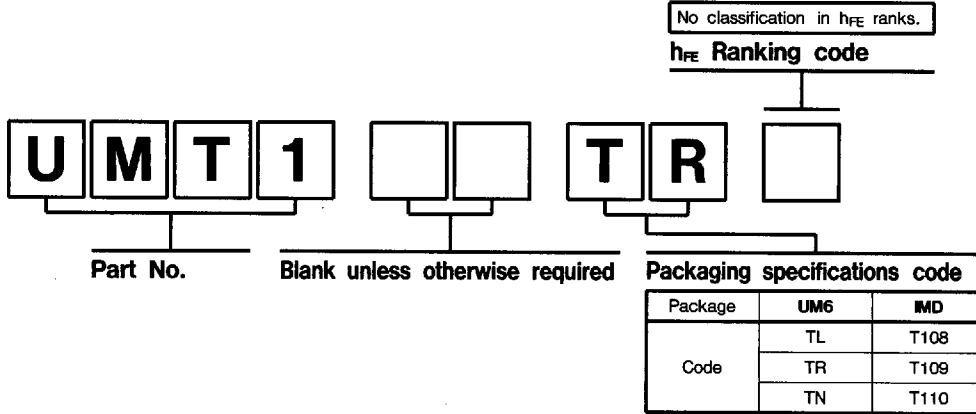
## UM6 · IMD (6 pin type including independent 2 circuits)

| Equivalent circuit  |   | Application           | Package |       | Equivalent product | V <sub>CEO</sub> (V) | I <sub>c</sub> (mA) | h <sub>FE</sub> | V <sub>CE</sub> (V) | I <sub>c</sub> (mA) |
|---|---|-----------------------|---------|-------|--------------------|----------------------|---------------------|-----------------|---------------------|---------------------|
| TOP VIEW  |   |                       | UM6     | IMD   |                    |                      |                     |                 |                     |                     |
| UM6   | IMD   | Part No.              |         |       |                    |                      |                     |                 |                     |                     |
|    |    | Pre Amp               | UMT1    | IMT1A | 2SA1037AK×2        | -40                  | -100                | 120~            | -6                  | -1                  |
|   |   |                       | -       | IMT5A | 2SA1037AK×2        | -25                  | -100                | 390~            | -6                  | -1                  |
|    |    | Pre Amp               | UMT2    | IMT2A | 2SA1037AK×2        | -40                  | -100                | 120~            | -6                  | -1                  |
|   |   |                       | -       | IMT4  | 2SA1514K×2         | -120                 | -50                 | 180~            | -6                  | -2                  |
|    |    | Pre Amp               | UMX1    | IMX1  | 2SC2412K×2         | 40                   | 100                 | 120~            | 6                   | 1                   |
|   |   |                       | -       | IMX7  | 2SC2411K×2         | 32                   | 500                 | 82~390          | 3                   | 100                 |
|   |   |                       | -       | IMX9  | 2SD2114K×2         | 20                   | 500                 | 560~2700        | 3                   | 10                  |
|  |  | Pre Amp               | UMX2    | IMX2  | 2SC2412K×2         | 40                   | 100                 | 120~            | 6                   | 1                   |
|   |   |                       | UMX6    | IMX6  | 2SC2413K×2         | 25                   | 50                  | 56~             | 6                   | 1                   |
|  |  | Pre Amp               | UMX3    | IMX3  | 2SC2412K×2         | 40                   | 100                 | 120~            | 6                   | 1                   |
|   |   |                       | -       | IMX8  | 2SC3906K×2         | 120                  | 50                  | 180~            | 6                   | 2                   |
|   |   | TV Tuner<br>Mix. Osc. | UMX4    | IMX4  | 2SC3837K×2         | 18                   | 50                  | 56~180          | 10                  | 10                  |
|   |   |                       | UMX5    | IMX5  | 2SC3838K×2         | 11                   | 50                  | 56~180          | 10                  | 5                   |
|  |  | Pre Amp               | UMZ1    | IMZ1A | 2SA1037AK          | -40                  | -100                | 120~            | -6                  | -1                  |
|   |   |                       |         |       | 2SC2412K           | 40                   | 100                 | 120~            | 6                   | 1                   |
|  |  | Pre Amp               | UMZ2    | IMZ2A | 2SA1037AK          | -40                  | -100                | 120~            | -6                  | -1                  |
|   |   |                       |         |       | 2SC2412K           | 40                   | 100                 | 120~            | 6                   | 1                   |
|  |  | Pre Amp               | -       | IMZ3A | 2SA1037AK          | -25                  | -100                | 390~            | -6                  | -1                  |
|   |   |                       |         |       | 2SD2226K           | 50                   | 100                 | 820~2700        | 5                   | 1                   |

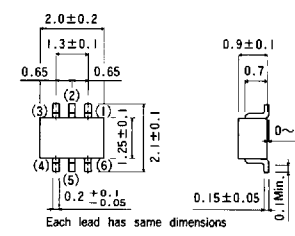
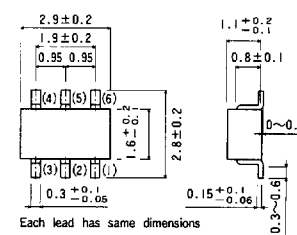






●Product Designation

Specify part No., packaging specification code and h<sub>FE</sub> ranking code.



(Unit : mm)

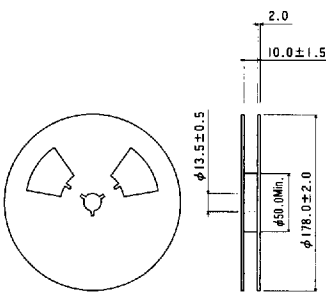
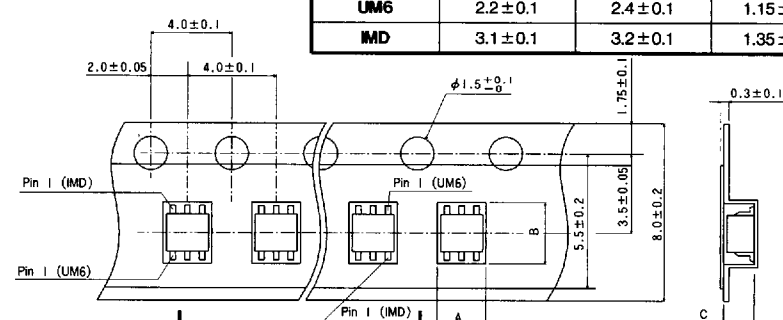
| Package    | UM6   | IMD (SOT-36)   |
|------------|---|--|
| Dimensions |  <p>Each lead has same dimensions</p> |  <p>Each lead has same dimensions</p> |
|            | Actual size   | Enlarged (×3.0)  |
|            |                                      |                                       |
|            | Actual size   | Enlarged (×3.0)  |
|            |                                      |                                     |

●Packaging

| Package | Packaging type | Packaging style    | Direction                                      | Code | Quantity /Package (pcs) | Quantity /Unit (pcs) |
|---------|----------------|--------------------|--|------|-------------------------|----------------------|
| UM6     | Taping         | Embossed reel tape | Pin 1 side on sprocket hole side               | TL   | 3,000                   | -                    |
|         |                |                    | Pin 1 mark side opposite of sprocket hole side | TR   |                         |                      |
|         |                |                    | Non-directional                                | TN   |                         |                      |
| IMD     | Taping         | Embossed reel tape | Pin 1 mark side opposite of sprocket hole side | T108 | 3,000                   | -                    |
|         |                |                    | Pin 1 side on sprocket hole side               | T109 |                         |                      |
|         |                |                    | Non-directional                                | T110 |                         |                      |

●Packaging Specifications

(Unit : mm)

| UM6   | IMD  |           |            |  |  |   |   |   |     |           |           |            |     |           |           |            |         |      |     |    |         |      |     |    |         |      |     |    |
|---|--|-----------|------------|--|--|---|---|---|-----|-----------|-----------|------------|-----|-----------|-----------|------------|---------|------|-----|----|---------|------|-----|----|---------|------|-----|----|
| <p>Reel</p>  | <p>Tape</p> <table border="1" style="margin-bottom: 10px;"> <thead> <tr> <th rowspan="2">Package</th> <th colspan="3">Size</th> </tr> <tr> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>UM6</td> <td>2.2 ± 0.1</td> <td>2.4 ± 0.1</td> <td>1.15 ± 0.1</td> </tr> <tr> <td>IMD</td> <td>3.1 ± 0.1</td> <td>3.2 ± 0.1</td> <td>1.35 ± 0.1</td> </tr> </tbody> </table>  <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <table border="1"> <tr><th>Package</th><th>Code</th></tr> <tr><td>UM6</td><td>TL</td></tr> </table> </div> <div style="text-align: center;"> <table border="1"> <tr><th>Package</th><th>Code</th></tr> <tr><td>UM6</td><td>TR</td></tr> </table> </div> <div style="text-align: center;"> <table border="1"> <tr><th>Package</th><th>Code</th></tr> <tr><td>UM6</td><td>TN</td></tr> </table> </div> </div> <p style="text-align: center;">(Non-directional)</p> | Package   | Size       |  |  | A | B | C | UM6 | 2.2 ± 0.1 | 2.4 ± 0.1 | 1.15 ± 0.1 | IMD | 3.1 ± 0.1 | 3.2 ± 0.1 | 1.35 ± 0.1 | Package | Code | UM6 | TL | Package | Code | UM6 | TR | Package | Code | UM6 | TN |
| Package   | Size   |           |            |  |  |   |   |   |     |           |           |            |     |           |           |            |         |      |     |    |         |      |     |    |         |      |     |    |
|   | A  | B         | C          |  |  |   |   |   |     |           |           |            |     |           |           |            |         |      |     |    |         |      |     |    |         |      |     |    |
| UM6   | 2.2 ± 0.1  | 2.4 ± 0.1 | 1.15 ± 0.1 |  |  |   |   |   |     |           |           |            |     |           |           |            |         |      |     |    |         |      |     |    |         |      |     |    |
| IMD   | 3.1 ± 0.1  | 3.2 ± 0.1 | 1.35 ± 0.1 |  |  |   |   |   |     |           |           |            |     |           |           |            |         |      |     |    |         |      |     |    |         |      |     |    |
| Package   | Code   |           |            |  |  |   |   |   |     |           |           |            |     |           |           |            |         |      |     |    |         |      |     |    |         |      |     |    |
| UM6   | TL   |           |            |  |  |   |   |   |     |           |           |            |     |           |           |            |         |      |     |    |         |      |     |    |         |      |     |    |
| Package   | Code   |           |            |  |  |   |   |   |     |           |           |            |     |           |           |            |         |      |     |    |         |      |     |    |         |      |     |    |
| UM6   | TR   |           |            |  |  |   |   |   |     |           |           |            |     |           |           |            |         |      |     |    |         |      |     |    |         |      |     |    |
| Package   | Code   |           |            |  |  |   |   |   |     |           |           |            |     |           |           |            |         |      |     |    |         |      |     |    |         |      |     |    |
| UM6   | TN   |           |            |  |  |   |   |   |     |           |           |            |     |           |           |            |         |      |     |    |         |      |     |    |         |      |     |    |