

**TAPE AND REEL INFORMATION**

**QUADRANT ASSIGNMENTS FOR PIN 1 ORIENTATION IN TAPE**


\*All dimensions are nominal

| Device       | Package Type | Package Drawing | Pins | SPQ  | Reel Diameter (mm) | Reel Width W1 (mm) | A0 (mm) | B0 (mm) | K0 (mm) | P1 (mm) | W (mm) | Pin1 Quadrant |
|--------------|--------------|-----------------|------|------|--------------------|--------------------|---------|---------|---------|---------|--------|---------------|
| THVD1410DGKR | VSSOP        | DGK             | 8    | 2500 | 330.0              | 12.4               | 5.3     | 3.4     | 1.4     | 8.0     | 12.0   | Q1            |
| THVD1410DR   | SOIC         | D               | 8    | 2500 | 330.0              | 12.4               | 6.4     | 5.2     | 2.1     | 8.0     | 12.0   | Q1            |
| THVD1450DGKR | VSSOP        | DGK             | 8    | 2500 | 330.0              | 12.4               | 5.3     | 3.4     | 1.4     | 8.0     | 12.0   | Q1            |
| THVD1450DR   | SOIC         | D               | 8    | 2500 | 330.0              | 12.4               | 6.4     | 5.2     | 2.1     | 8.0     | 12.0   | Q1            |
| THVD1450DRBR | SON          | DRB             | 8    | 3000 | 330.0              | 12.4               | 3.3     | 3.3     | 1.0     | 8.0     | 12.0   | Q2            |
| THVD1450DRBT | SON          | DRB             | 8    | 250  | 180.0              | 12.4               | 3.3     | 3.3     | 1.0     | 8.0     | 12.0   | Q2            |
| THVD1451DR   | SOIC         | D               | 8    | 2500 | 330.0              | 12.4               | 6.4     | 5.2     | 2.1     | 8.0     | 12.0   | Q1            |
| THVD1451DRBR | SON          | DRB             | 8    | 3000 | 330.0              | 12.4               | 3.3     | 3.3     | 1.0     | 8.0     | 12.0   | Q2            |
| THVD1451DRBT | SON          | DRB             | 8    | 250  | 180.0              | 12.4               | 3.3     | 3.3     | 1.0     | 8.0     | 12.0   | Q2            |
| THVD1452DGSR | VSSOP        | DGS             | 10   | 2500 | 330.0              | 12.4               | 5.3     | 3.4     | 1.4     | 8.0     | 12.0   | Q1            |
| THVD1452DR   | SOIC         | D               | 14   | 2500 | 330.0              | 16.4               | 6.5     | 9.0     | 2.1     | 8.0     | 16.0   | Q1            |

**TAPE AND REEL BOX DIMENSIONS**


\*All dimensions are nominal

| Device       | Package Type | Package Drawing | Pins | SPQ  | Length (mm) | Width (mm) | Height (mm) |
|--------------|--------------|-----------------|------|------|-------------|------------|-------------|
| THVD1410DGKR | VSSOP        | DGK             | 8    | 2500 | 366.0       | 364.0      | 50.0        |
| THVD1410DR   | SOIC         | D               | 8    | 2500 | 353.0       | 353.0      | 32.0        |
| THVD1450DGKR | VSSOP        | DGK             | 8    | 2500 | 364.0       | 364.0      | 27.0        |
| THVD1450DR   | SOIC         | D               | 8    | 2500 | 353.0       | 353.0      | 32.0        |
| THVD1450DRBR | SON          | DRB             | 8    | 3000 | 346.0       | 346.0      | 35.0        |
| THVD1450DRBT | SON          | DRB             | 8    | 250  | 200.0       | 183.0      | 25.0        |
| THVD1451DR   | SOIC         | D               | 8    | 2500 | 353.0       | 353.0      | 32.0        |
| THVD1451DRBR | SON          | DRB             | 8    | 3000 | 346.0       | 346.0      | 35.0        |
| THVD1451DRBT | SON          | DRB             | 8    | 250  | 200.0       | 183.0      | 25.0        |
| THVD1452DGSR | VSSOP        | DGS             | 10   | 2500 | 364.0       | 364.0      | 27.0        |
| THVD1452DR   | SOIC         | D               | 14   | 2500 | 353.0       | 353.0      | 32.0        |

**TUBE**


\*All dimensions are nominal

| Device      | Package Name | Package Type | Pins | SPQ | L (mm) | W (mm) | T (μm) | B (mm) |
|-------------|--------------|--------------|------|-----|--------|--------|--------|--------|
| THVD1410D   | D            | SOIC         | 8    | 75  | 507    | 8      | 3940   | 4.32   |
| THVD1410DGK | DGK          | VSSOP        | 8    | 80  | 330    | 6.55   | 500    | 2.88   |
| THVD1450D   | D            | SOIC         | 8    | 75  | 507    | 8      | 3940   | 4.32   |
| THVD1450DGK | DGK          | VSSOP        | 8    | 80  | 330    | 6.55   | 500    | 2.88   |
| THVD1451D   | D            | SOIC         | 8    | 75  | 507    | 8      | 3940   | 4.32   |
| THVD1452D   | D            | SOIC         | 14   | 50  | 507    | 8      | 3940   | 4.32   |
| THVD1452DGS | DGS          | VSSOP        | 10   | 80  | 330    | 6.55   | 500    | 2.88   |