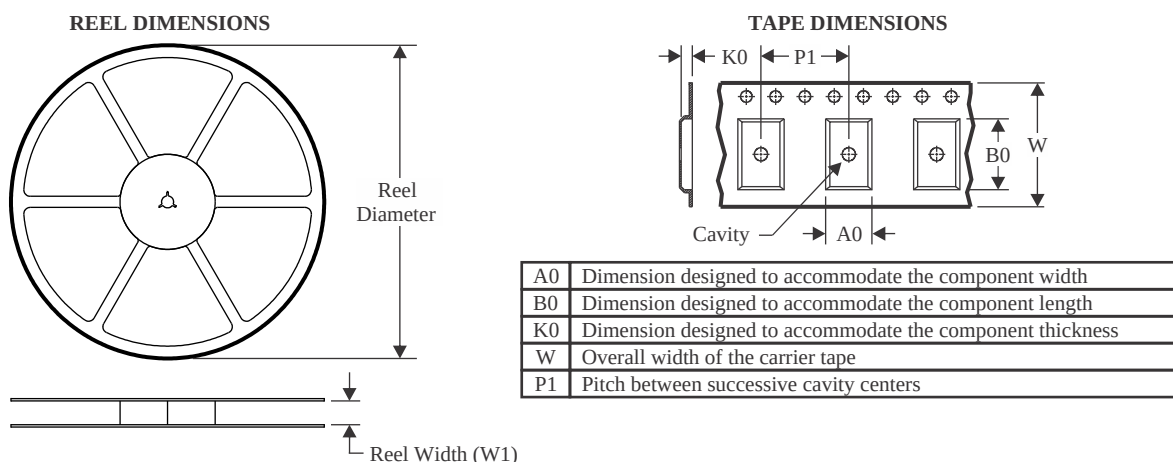
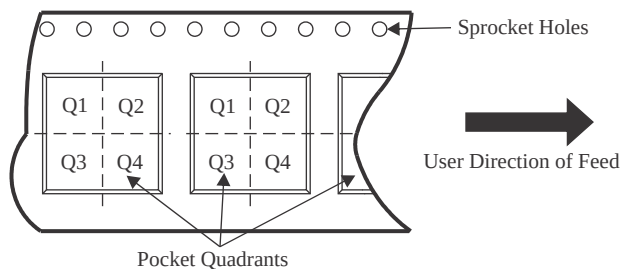


## TAPE AND REEL INFORMATION



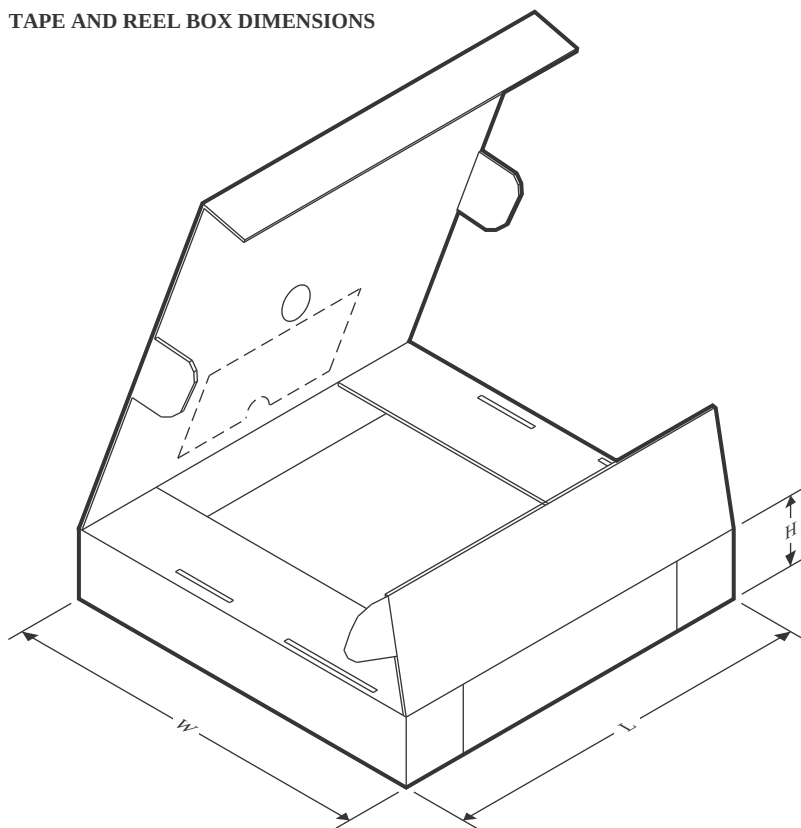
### QUADRANT ASSIGNMENTS FOR PIN 1 ORIENTATION IN TAPE



\*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 |
|----------------|--------------|-----------------|------|------|--------------------|--------------------|---------|---------|---------|---------|--------|---------------|
| OPA180IDBVR    | SOT-23       | DBV             | 5    | 3000 | 178.0              | 9.0                | 3.3     | 3.2     | 1.4     | 4.0     | 8.0    | Q3            |
| OPA180IDBVT    | SOT-23       | DBV             | 5    | 250  | 180.0              | 8.4                | 3.23    | 3.17    | 1.37    | 4.0     | 8.0    | Q3            |
| OPA180IDBVTG4  | SOT-23       | DBV             | 5    | 250  | 180.0              | 8.4                | 3.23    | 3.17    | 1.37    | 4.0     | 8.0    | Q3            |
| OPA180IDGKR    | VSSOP        | DGK             | 8    | 2500 | 330.0              | 12.4               | 5.3     | 3.4     | 1.4     | 8.0     | 12.0   | Q1            |
| OPA180IDGKT    | VSSOP        | DGK             | 8    | 250  | 177.8              | 12.4               | 5.3     | 3.4     | 1.4     | 8.0     | 12.0   | Q1            |
| OPA180IDR      | SOIC         | D               | 8    | 2500 | 330.0              | 12.4               | 6.4     | 5.2     | 2.1     | 8.0     | 12.0   | Q1            |
| OPA180IDRG4    | SOIC         | D               | 8    | 2500 | 330.0              | 12.4               | 6.4     | 5.2     | 2.1     | 8.0     | 12.0   | Q1            |
| OPA2180IDGKR   | VSSOP        | DGK             | 8    | 2500 | 330.0              | 12.4               | 5.3     | 3.4     | 1.4     | 8.0     | 12.0   | Q1            |
| OPA2180IDGKRG4 | VSSOP        | DGK             | 8    | 2500 | 330.0              | 12.4               | 5.3     | 3.4     | 1.4     | 8.0     | 12.0   | Q1            |
| OPA2180IDR     | SOIC         | D               | 8    | 2500 | 330.0              | 12.4               | 6.4     | 5.2     | 2.1     | 8.0     | 12.0   | Q1            |
| OPA2180IDRG4   | SOIC         | D               | 8    | 2500 | 330.0              | 12.4               | 6.4     | 5.2     | 2.1     | 8.0     | 12.0   | Q1            |
| OPA4180IDR     | SOIC         | D               | 14   | 2500 | 330.0              | 16.4               | 6.5     | 9.0     | 2.1     | 8.0     | 16.0   | Q1            |
| OPA4180IPWR    | TSSOP        | PW              | 14   | 2000 | 330.0              | 12.4               | 6.9     | 5.6     | 1.6     | 8.0     | 12.0   | Q1            |
| OPA4180IPWRG4  | TSSOP        | PW              | 14   | 2000 | 330.0              | 12.4               | 6.9     | 5.6     | 1.6     | 8.0     | 12.0   | Q1            |

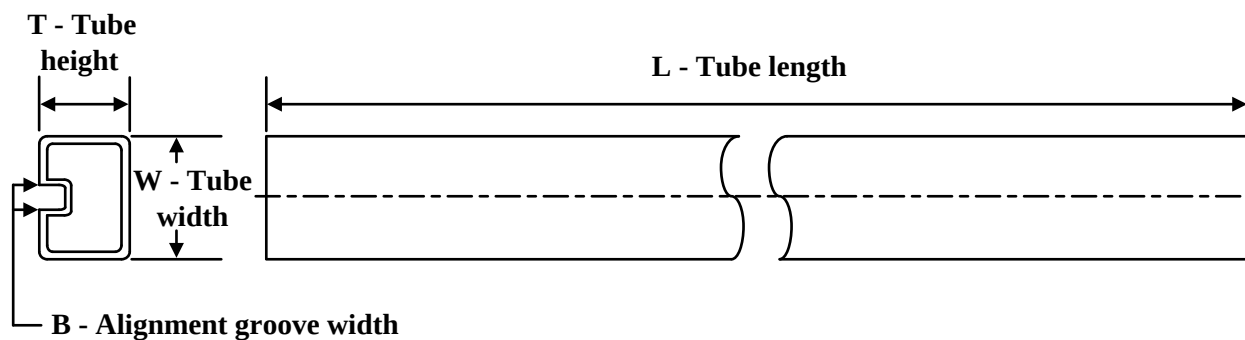
## TAPE AND REEL BOX DIMENSIONS



\*All dimensions are nominal

| Device         | Package Type | Package Drawing | Pins | SPQ  | Length (mm) | Width (mm) | Height (mm) |
|----------------|--------------|-----------------|------|------|-------------|------------|-------------|
| OPA180IDBVR    | SOT-23       | DBV             | 5    | 3000 | 190.0       | 190.0      | 30.0        |
| OPA180IDBVT    | SOT-23       | DBV             | 5    | 250  | 223.0       | 270.0      | 35.0        |
| OPA180IDBVTG4  | SOT-23       | DBV             | 5    | 250  | 223.0       | 270.0      | 35.0        |
| OPA180IDGKR    | VSSOP        | DGK             | 8    | 2500 | 346.0       | 346.0      | 29.0        |
| OPA180IDGKT    | VSSOP        | DGK             | 8    | 250  | 223.0       | 270.0      | 35.0        |
| OPA180IDR      | SOIC         | D               | 8    | 2500 | 353.0       | 353.0      | 32.0        |
| OPA180IDRG4    | SOIC         | D               | 8    | 2500 | 353.0       | 353.0      | 32.0        |
| OPA2180IDGKR   | VSSOP        | DGK             | 8    | 2500 | 353.0       | 353.0      | 32.0        |
| OPA2180IDGKRG4 | VSSOP        | DGK             | 8    | 2500 | 353.0       | 353.0      | 32.0        |
| OPA2180IDR     | SOIC         | D               | 8    | 2500 | 353.0       | 353.0      | 32.0        |
| OPA2180IDRG4   | SOIC         | D               | 8    | 2500 | 353.0       | 353.0      | 32.0        |
| OPA4180IDR     | SOIC         | D               | 14   | 2500 | 353.0       | 353.0      | 32.0        |
| OPA4180IPWR    | TSSOP        | PW              | 14   | 2000 | 353.0       | 353.0      | 32.0        |
| OPA4180IPWRG4  | TSSOP        | PW              | 14   | 2000 | 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) |
|---------------|--------------|--------------|------|-----|--------|--------|--------|--------|
| OPA180ID      | D            | SOIC         | 8    | 75  | 506.6  | 8      | 3940   | 4.32   |
| OPA180ID.B    | D            | SOIC         | 8    | 75  | 506.6  | 8      | 3940   | 4.32   |
| OPA2180ID     | D            | SOIC         | 8    | 75  | 506.6  | 8      | 3940   | 4.32   |
| OPA2180ID.A   | D            | SOIC         | 8    | 75  | 506.6  | 8      | 3940   | 4.32   |
| OPA2180ID.B   | D            | SOIC         | 8    | 75  | 506.6  | 8      | 3940   | 4.32   |
| OPA2180IDGK   | DGK          | VSSOP        | 8    | 80  | 330    | 6.55   | 500    | 2.88   |
| OPA2180IDGK.A | DGK          | VSSOP        | 8    | 80  | 330    | 6.55   | 500    | 2.88   |
| OPA2180IDGK.B | DGK          | VSSOP        | 8    | 80  | 330    | 6.55   | 500    | 2.88   |
| OPA4180ID     | D            | SOIC         | 14   | 50  | 506.6  | 8      | 3940   | 4.32   |
| OPA4180ID.B   | D            | SOIC         | 14   | 50  | 506.6  | 8      | 3940   | 4.32   |
| OPA4180IPW    | PW           | TSSOP        | 14   | 90  | 508    | 8.5    | 3250   | 2.8    |
| OPA4180IPW.B  | PW           | TSSOP        | 14   | 90  | 508    | 8.5    | 3250   | 2.8    |