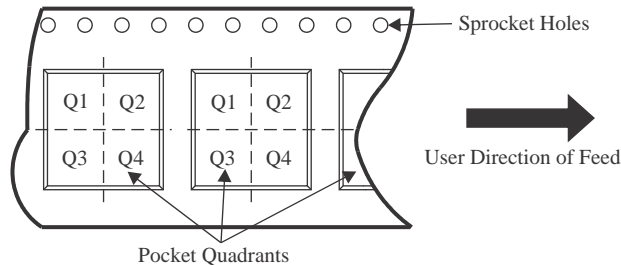


**TAPE AND REEL INFORMATION**

**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 |
|----------------|--------------|-----------------|------|------|--------------------|--------------------|---------|---------|---------|---------|--------|---------------|
| OPA2991IDDFR   | SOT-23-THIN  | DDF             | 8    | 3000 | 180.0              | 8.4                | 3.2     | 3.2     | 1.4     | 4.0     | 8.0    | Q3            |
| OPA2991IDGKR   | VSSOP        | DGK             | 8    | 2500 | 330.0              | 12.4               | 5.3     | 3.4     | 1.4     | 8.0     | 12.0   | Q1            |
| OPA2991IDGKR   | VSSOP        | DGK             | 8    | 2500 | 330.0              | 12.4               | 5.3     | 3.4     | 1.4     | 8.0     | 12.0   | Q1            |
| OPA2991IDR     | SOIC         | D               | 8    | 2500 | 330.0              | 12.4               | 6.4     | 5.2     | 2.1     | 8.0     | 12.0   | Q1            |
| OPA2991IDRG4   | SOIC         | D               | 8    | 2500 | 330.0              | 12.4               | 6.4     | 5.2     | 2.1     | 8.0     | 12.0   | Q1            |
| OPA2991IDSGR   | WSON         | DSG             | 8    | 3000 | 180.0              | 8.4                | 2.3     | 2.3     | 1.15    | 4.0     | 8.0    | Q2            |
| OPA2991IDSGRG4 | WSON         | DSG             | 8    | 3000 | 180.0              | 8.4                | 2.3     | 2.3     | 1.15    | 4.0     | 8.0    | Q2            |
| OPA2991IPWR    | TSSOP        | PW              | 8    | 2000 | 330.0              | 12.4               | 7.0     | 3.6     | 1.6     | 8.0     | 12.0   | Q1            |
| OPA2991SIRUGR  | X2QFN        | RUG             | 10   | 3000 | 178.0              | 8.4                | 1.75    | 2.25    | 0.56    | 4.0     | 8.0    | Q1            |
| OPA4991IDR     | SOIC         | D               | 14   | 2500 | 330.0              | 16.4               | 6.5     | 9.0     | 2.1     | 8.0     | 16.0   | Q1            |
| OPA4991IDYYR   | SOT-23-THIN  | DYY             | 14   | 3000 | 330.0              | 12.4               | 4.8     | 3.6     | 1.6     | 8.0     | 12.0   | Q3            |
| OPA4991IPWR    | TSSOP        | PW              | 14   | 2000 | 330.0              | 12.4               | 6.9     | 5.6     | 1.6     | 8.0     | 12.0   | Q1            |
| OPA4991IPWRG4  | TSSOP        | PW              | 14   | 2000 | 330.0              | 12.4               | 6.9     | 5.6     | 1.6     | 8.0     | 12.0   | Q1            |
| OPA4991IRUCR   | QFN          | RUC             | 14   | 3000 | 180.0              | 9.5                | 2.16    | 2.16    | 0.5     | 4.0     | 8.0    | Q2            |
| OPA991IDBVR    | SOT-23       | DBV             | 5    | 3000 | 178.0              | 8.4                | 3.2     | 3.2     | 1.4     | 4.0     | 8.0    | Q3            |

| 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 |
|----------------|--------------|-----------------|------|------|--------------------|--------------------|---------|---------|---------|---------|--------|---------------|
| OPA991IDCKR    | SC70         | DCK             | 5    | 3000 | 178.0              | 9.0                | 2.4     | 2.5     | 1.2     | 4.0     | 8.0    | Q3            |
| OPA991SIDBVR   | SOT-23       | DBV             | 6    | 3000 | 180.0              | 8.4                | 3.2     | 3.2     | 1.4     | 4.0     | 8.0    | Q3            |
| OPA991SIDBVRG4 | SOT-23       | DBV             | 6    | 3000 | 180.0              | 8.4                | 3.2     | 3.2     | 1.4     | 4.0     | 8.0    | Q3            |
| OPA991TIDCKR   | SC70         | DCK             | 5    | 3000 | 178.0              | 8.4                | 2.25    | 2.45    | 1.2     | 4.0     | 8.0    | Q3            |

**TAPE AND REEL BOX DIMENSIONS**


\*All dimensions are nominal

| Device         | Package Type | Package Drawing | Pins | SPQ  | Length (mm) | Width (mm) | Height (mm) |
|----------------|--------------|-----------------|------|------|-------------|------------|-------------|
| OPA2991IDDFR   | SOT-23-THIN  | DDF             | 8    | 3000 | 210.0       | 185.0      | 35.0        |
| OPA2991IDGKR   | VSSOP        | DGK             | 8    | 2500 | 353.0       | 353.0      | 32.0        |
| OPA2991IDGKR   | VSSOP        | DGK             | 8    | 2500 | 367.0       | 367.0      | 35.0        |
| OPA2991IDR     | SOIC         | D               | 8    | 2500 | 353.0       | 353.0      | 32.0        |
| OPA2991IDRG4   | SOIC         | D               | 8    | 2500 | 353.0       | 353.0      | 32.0        |
| OPA2991IDSGR   | WSON         | DSG             | 8    | 3000 | 210.0       | 185.0      | 35.0        |
| OPA2991IDSGRG4 | WSON         | DSG             | 8    | 3000 | 210.0       | 185.0      | 35.0        |
| OPA2991IPWR    | TSSOP        | PW              | 8    | 2000 | 353.0       | 353.0      | 32.0        |
| OPA2991SIRUGR  | X2QFN        | RUG             | 10   | 3000 | 205.0       | 200.0      | 33.0        |
| OPA4991IDR     | SOIC         | D               | 14   | 2500 | 353.0       | 353.0      | 32.0        |
| OPA4991IDYYR   | SOT-23-THIN  | DYY             | 14   | 3000 | 336.6       | 336.6      | 31.8        |
| OPA4991IPWR    | TSSOP        | PW              | 14   | 2000 | 356.0       | 356.0      | 35.0        |
| OPA4991IPWRG4  | TSSOP        | PW              | 14   | 2000 | 353.0       | 353.0      | 32.0        |
| OPA4991IRUCR   | QFN          | RUC             | 14   | 3000 | 205.0       | 200.0      | 30.0        |
| OPA991IDBVR    | SOT-23       | DBV             | 5    | 3000 | 208.0       | 191.0      | 35.0        |
| OPA991IDCKR    | SC70         | DCK             | 5    | 3000 | 190.0       | 190.0      | 30.0        |
| OPA991SIDBVR   | SOT-23       | DBV             | 6    | 3000 | 210.0       | 185.0      | 35.0        |
| OPA991SIDBVRG4 | SOT-23       | DBV             | 6    | 3000 | 210.0       | 185.0      | 35.0        |

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| Device       | Package Type | Package Drawing | Pins | SPQ  | Length (mm) | Width (mm) | Height (mm) |
|--------------|--------------|-----------------|------|------|-------------|------------|-------------|
| OPA991TIDCKR | SC70         | DCK             | 5    | 3000 | 208.0       | 191.0      | 35.0        |