

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 |
|----------------|--------------|-----------------|------|------|--------------------|--------------------|---------|---------|---------|---------|--------|---------------|
| INA191A1IYFDR | DSBGA | YFD | 6 | 3000 | 178.0 | 8.4 | 0.84 | 1.27 | 0.46 | 4.0 | 8.0 | Q2 |
| INA191A1IYFDR | DSBGA | YFD | 6 | 3000 | 180.0 | 8.4 | 0.84 | 1.25 | 0.5 | 4.0 | 8.0 | Q2 |
| INA191A2IYFDR | DSBGA | YFD | 6 | 3000 | 178.0 | 8.4 | 0.84 | 1.27 | 0.46 | 4.0 | 8.0 | Q2 |
| INA191A2IYFDR | DSBGA | YFD | 6 | 3000 | 180.0 | 8.4 | 0.84 | 1.25 | 0.5 | 4.0 | 8.0 | Q2 |
| INA191A3IYFDR | DSBGA | YFD | 6 | 3000 | 180.0 | 8.4 | 0.84 | 1.25 | 0.5 | 4.0 | 8.0 | Q2 |
| INA191A3IYFDR | DSBGA | YFD | 6 | 3000 | 178.0 | 8.4 | 0.84 | 1.27 | 0.46 | 4.0 | 8.0 | Q2 |
| INA191A4IYFDR | DSBGA | YFD | 6 | 3000 | 180.0 | 8.4 | 0.84 | 1.25 | 0.5 | 4.0 | 8.0 | Q2 |
| INA191A4IYFDR | DSBGA | YFD | 6 | 3000 | 178.0 | 8.4 | 0.84 | 1.27 | 0.46 | 4.0 | 8.0 | Q2 |
| INA191A5IYFDR | DSBGA | YFD | 6 | 3000 | 178.0 | 8.4 | 0.84 | 1.27 | 0.46 | 4.0 | 8.0 | Q2 |
| INA191A5IYFDR | DSBGA | YFD | 6 | 3000 | 180.0 | 8.4 | 0.84 | 1.25 | 0.5 | 4.0 | 8.0 | Q2 |
| INA2191A1IYBJR | DSBGA | YBJ | 12 | 3000 | 180.0 | 8.4 | 1.3 | 1.66 | 0.47 | 4.0 | 8.0 | Q1 |
| INA2191A2IYBJR | DSBGA | YBJ | 12 | 3000 | 180.0 | 8.4 | 1.3 | 1.66 | 0.47 | 4.0 | 8.0 | Q1 |
| INA2191A3IYBJR | DSBGA | YBJ | 12 | 3000 | 180.0 | 8.4 | 1.3 | 1.66 | 0.47 | 4.0 | 8.0 | Q1 |
| INA2191A4IYBJR | DSBGA | YBJ | 12 | 3000 | 180.0 | 8.4 | 1.3 | 1.66 | 0.47 | 4.0 | 8.0 | Q1 |
| INA2191A5IYBJR | DSBGA | YBJ | 12 | 3000 | 180.0 | 8.4 | 1.3 | 1.66 | 0.47 | 4.0 | 8.0 | Q1 |

TAPE AND REEL BOX DIMENSIONS



*All dimensions are nominal

| Device | Package Type | Package Drawing | Pins | SPQ | Length (mm) | Width (mm) | Height (mm) |
|----------------|--------------|-----------------|------|------|-------------|------------|-------------|
| INA191A11YFDR | DSBGA | YFD | 6 | 3000 | 220.0 | 220.0 | 35.0 |
| INA191A11YFDR | DSBGA | YFD | 6 | 3000 | 182.0 | 182.0 | 20.0 |
| INA191A21YFDR | DSBGA | YFD | 6 | 3000 | 220.0 | 220.0 | 35.0 |
| INA191A21YFDR | DSBGA | YFD | 6 | 3000 | 182.0 | 182.0 | 20.0 |
| INA191A31YFDR | DSBGA | YFD | 6 | 3000 | 182.0 | 182.0 | 20.0 |
| INA191A31YFDR | DSBGA | YFD | 6 | 3000 | 220.0 | 220.0 | 35.0 |
| INA191A41YFDR | DSBGA | YFD | 6 | 3000 | 182.0 | 182.0 | 20.0 |
| INA191A41YFDR | DSBGA | YFD | 6 | 3000 | 220.0 | 220.0 | 35.0 |
| INA191A51YFDR | DSBGA | YFD | 6 | 3000 | 220.0 | 220.0 | 35.0 |
| INA191A51YFDR | DSBGA | YFD | 6 | 3000 | 182.0 | 182.0 | 20.0 |
| INA2191A11YBJR | DSBGA | YBJ | 12 | 3000 | 182.0 | 182.0 | 20.0 |
| INA2191A21YBJR | DSBGA | YBJ | 12 | 3000 | 182.0 | 182.0 | 20.0 |
| INA2191A31YBJR | DSBGA | YBJ | 12 | 3000 | 182.0 | 182.0 | 20.0 |
| INA2191A41YBJR | DSBGA | YBJ | 12 | 3000 | 182.0 | 182.0 | 20.0 |
| INA2191A51YBJR | DSBGA | YBJ | 12 | 3000 | 182.0 | 182.0 | 20.0 |