

**PACKAGING INFORMATION**

| Orderable Device | Status<br>(1) | Package Type | Package Drawing | Pins | Package Qty | Eco Plan<br>(2) | Lead finish/<br>Ball material<br>(6) | MSL Peak Temp<br>(3) | Op Temp (°C) | Device Marking<br>(4/5) | Samples                 |
|------------------|---------------|--------------|-----------------|------|-------------|-----------------|--------------------------------------|----------------------|--------------|-------------------------|-------------------------|
| INA210AIDCKJ     | ACTIVE        | SC70         | DCK             | 6    | 10000       | RoHS & Green    | SN                                   | Level-2-260C-1 YEAR  | -40 to 125   | CET                     | <a href="#">Samples</a> |
| INA210AIDCKR     | ACTIVE        | SC70         | DCK             | 6    | 3000        | RoHS & Green    | NIPDAU   SN                          | Level-2-260C-1 YEAR  | -40 to 125   | CET                     | <a href="#">Samples</a> |
| INA210AIDCKT     | ACTIVE        | SC70         | DCK             | 6    | 250         | RoHS & Green    | NIPDAU   SN                          | Level-2-260C-1 YEAR  | -40 to 125   | CET                     | <a href="#">Samples</a> |
| INA210AIRSWR     | ACTIVE        | UQFN         | RSW             | 10   | 3000        | RoHS & Green    | NIPDAU                               | Level-1-260C-UNLIM   | -40 to 125   | KNJ                     | <a href="#">Samples</a> |
| INA210AIRSWT     | OBSOLETE      | UQFN         | RSW             | 10   |             | TBD             | Call TI                              | Call TI              | -40 to 125   | (KNJ, NSJ)              |                         |
| INA210BIDCKR     | ACTIVE        | SC70         | DCK             | 6    | 3000        | RoHS & Green    | NIPDAU   SN                          | Level-2-260C-1 YEAR  | -40 to 125   | SED                     | <a href="#">Samples</a> |
| INA210BIDCKT     | ACTIVE        | SC70         | DCK             | 6    | 250         | RoHS & Green    | NIPDAU   SN                          | Level-2-260C-1 YEAR  | -40 to 125   | SED                     | <a href="#">Samples</a> |
| INA210BIRSWR     | ACTIVE        | UQFN         | RSW             | 10   | 3000        | RoHS & Green    | NIPDAU                               | Level-1-260C-UNLIM   | -40 to 125   | SHQ                     | <a href="#">Samples</a> |
| INA210CIDCKR     | ACTIVE        | SC70         | DCK             | 6    | 3000        | RoHS & Green    | NIPDAU                               | Level-2-260C-1 YEAR  | -40 to 125   | 16B                     | <a href="#">Samples</a> |
| INA210CIDCKT     | ACTIVE        | SC70         | DCK             | 6    | 250         | RoHS & Green    | NIPDAU                               | Level-2-260C-1 YEAR  | -40 to 125   | 16B                     | <a href="#">Samples</a> |
| INA210CIRSWR     | ACTIVE        | UQFN         | RSW             | 10   | 3000        | RoHS & Green    | NIPDAU                               | Level-1-260C-UNLIM   | -40 to 125   | 16C                     | <a href="#">Samples</a> |
| INA211AIDCKR     | ACTIVE        | SC70         | DCK             | 6    | 3000        | RoHS & Green    | NIPDAU   SN                          | Level-2-260C-1 YEAR  | -40 to 125   | CEU                     | <a href="#">Samples</a> |
| INA211AIDCKT     | ACTIVE        | SC70         | DCK             | 6    | 250         | RoHS & Green    | NIPDAU   SN                          | Level-2-260C-1 YEAR  | -40 to 125   | CEU                     | <a href="#">Samples</a> |
| INA211BIDCKR     | ACTIVE        | SC70         | DCK             | 6    | 3000        | RoHS & Green    | NIPDAU   SN                          | Level-2-260C-1 YEAR  | -40 to 125   | SEE                     | <a href="#">Samples</a> |
| INA211BIDCKT     | ACTIVE        | SC70         | DCK             | 6    | 250         | RoHS & Green    | NIPDAU   SN                          | Level-2-260C-1 YEAR  | -40 to 125   | SEE                     | <a href="#">Samples</a> |
| INA211BIRSWR     | ACTIVE        | UQFN         | RSW             | 10   | 3000        | RoHS & Green    | NIPDAU                               | Level-1-260C-UNLIM   | -40 to 125   | 13Q                     | <a href="#">Samples</a> |
| INA211BIRSWT     | OBSOLETE      | UQFN         | RSW             | 10   |             | TBD             | Call TI                              | Call TI              | -40 to 125   | 13Q                     |                         |
| INA211CIDCKR     | ACTIVE        | SC70         | DCK             | 6    | 3000        | RoHS & Green    | NIPDAU                               | Level-2-260C-1 YEAR  | -40 to 125   | 16D                     | <a href="#">Samples</a> |
| INA211CIDCKT     | OBSOLETE      | SC70         | DCK             | 6    |             | TBD             | Call TI                              | Call TI              | -40 to 125   | 16D                     |                         |
| INA211CIRSWR     | ACTIVE        | UQFN         | RSW             | 10   | 3000        | RoHS & Green    | NIPDAU                               | Level-1-260C-UNLIM   | -40 to 125   | 16U                     | <a href="#">Samples</a> |
| INA211CIRSWT     | OBSOLETE      | UQFN         | RSW             | 10   |             | TBD             | Call TI                              | Call TI              | -40 to 125   | 16U                     |                         |

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|------------------|---------------|--------------|-----------------|------|-------------|-----------------|--------------------------------------|----------------------|--------------|-------------------------|-------------------------|
| INA212AIDCKR     | ACTIVE        | SC70         | DCK             | 6    | 3000        | RoHS & Green    | NIPDAU   SN                          | Level-2-260C-1 YEAR  | -40 to 125   | CEV                     | <a href="#">Samples</a> |
| INA212AIDCKT     | ACTIVE        | SC70         | DCK             | 6    | 250         | RoHS & Green    | NIPDAU   SN                          | Level-2-260C-1 YEAR  | -40 to 125   | CEV                     | <a href="#">Samples</a> |
| INA212BIDCKR     | ACTIVE        | SC70         | DCK             | 6    | 3000        | RoHS & Green    | NIPDAU   SN                          | Level-2-260C-1 YEAR  | -40 to 125   | SEC                     | <a href="#">Samples</a> |
| INA212BIRSWR     | ACTIVE        | UQFN         | RSW             | 10   | 3000        | RoHS & Green    | NIPDAU                               | Level-1-260C-UNLIM   | -40 to 125   | 13U                     | <a href="#">Samples</a> |
| INA212CIDCKR     | ACTIVE        | SC70         | DCK             | 6    | 3000        | RoHS & Green    | NIPDAU                               | Level-2-260C-1 YEAR  | -40 to 125   | 16E                     | <a href="#">Samples</a> |
| INA212CIDCKT     | OBSOLETE      | SC70         | DCK             | 6    |             | TBD             | Call TI                              | Call TI              | -40 to 125   | 16E                     |                         |
| INA212CIRSWR     | ACTIVE        | UQFN         | RSW             | 10   | 3000        | RoHS & Green    | NIPDAU                               | Level-1-260C-UNLIM   | -40 to 125   | 16V                     | <a href="#">Samples</a> |
| INA212CIRSWT     | OBSOLETE      | UQFN         | RSW             | 10   |             | TBD             | Call TI                              | Call TI              | -40 to 125   | 16V                     |                         |
| INA213AIDCKR     | ACTIVE        | SC70         | DCK             | 6    | 3000        | RoHS & Green    | NIPDAU   SN                          | Level-2-260C-1 YEAR  | -40 to 125   | CFT                     | <a href="#">Samples</a> |
| INA213AIDCKT     | ACTIVE        | SC70         | DCK             | 6    | 250         | RoHS & Green    | NIPDAU   SN                          | Level-2-260C-1 YEAR  | -40 to 125   | CFT                     | <a href="#">Samples</a> |
| INA213AIRSWR     | ACTIVE        | UQFN         | RSW             | 10   | 3000        | RoHS & Green    | NIPDAU                               | Level-1-260C-UNLIM   | -40 to 125   | KPJ                     | <a href="#">Samples</a> |
| INA213AIRSWT     | OBSOLETE      | UQFN         | RSW             | 10   |             | TBD             | Call TI                              | Call TI              | -40 to 125   | KPJ                     |                         |
| INA213BIDCKR     | ACTIVE        | SC70         | DCK             | 6    | 3000        | RoHS & Green    | NIPDAU   SN                          | Level-2-260C-1 YEAR  | -40 to 125   | SEF                     | <a href="#">Samples</a> |
| INA213BIDCKT     | ACTIVE        | SC70         | DCK             | 6    | 250         | RoHS & Green    | NIPDAU   SN                          | Level-2-260C-1 YEAR  | -40 to 125   | SEF                     | <a href="#">Samples</a> |
| INA213BIRSWR     | ACTIVE        | UQFN         | RSW             | 10   | 3000        | RoHS & Green    | NIPDAU                               | Level-1-260C-UNLIM   | -40 to 125   | SHT                     | <a href="#">Samples</a> |
| INA213BIRSWT     | OBSOLETE      | UQFN         | RSW             | 10   |             | TBD             | Call TI                              | Call TI              | -40 to 125   | SHT                     |                         |
| INA213CIDCKR     | ACTIVE        | SC70         | DCK             | 6    | 3000        | RoHS & Green    | NIPDAU                               | Level-2-260C-1 YEAR  | -40 to 125   | 16F                     | <a href="#">Samples</a> |
| INA213CIDCKT     | ACTIVE        | SC70         | DCK             | 6    | 250         | RoHS & Green    | NIPDAU                               | Level-2-260C-1 YEAR  | -40 to 125   | 16F                     | <a href="#">Samples</a> |
| INA213CIRSWR     | ACTIVE        | UQFN         | RSW             | 10   | 3000        | RoHS & Green    | NIPDAU                               | Level-1-260C-UNLIM   | -40 to 125   | 16W                     | <a href="#">Samples</a> |
| INA213CIRSWT     | OBSOLETE      | UQFN         | RSW             | 10   |             | TBD             | Call TI                              | Call TI              | -40 to 125   | 16W                     |                         |
| INA214AIDCKR     | ACTIVE        | SC70         | DCK             | 6    | 3000        | RoHS & Green    | NIPDAU   SN                          | Level-2-260C-1 YEAR  | -40 to 125   | CFV                     | <a href="#">Samples</a> |
| INA214AIDCKT     | ACTIVE        | SC70         | DCK             | 6    | 250         | RoHS & Green    | NIPDAU   SN                          | Level-2-260C-1 YEAR  | -40 to 125   | CFV                     | <a href="#">Samples</a> |
| INA214AIRSWR     | ACTIVE        | UQFN         | RSW             | 10   | 3000        | RoHS & Green    | NIPDAU                               | Level-1-260C-UNLIM   | -40 to 125   | KRJ                     | <a href="#">Samples</a> |

| Orderable Device | Status<br>(1) | Package Type | Package Drawing | Pins | Package Qty | Eco Plan<br>(2) | Lead finish/<br>Ball material<br>(6) | MSL Peak Temp<br>(3) | Op Temp (°C) | Device Marking<br>(4/5) | Samples |
|------------------|---------------|--------------|-----------------|------|-------------|-----------------|--------------------------------------|----------------------|--------------|-------------------------|---------|
| INA214AIRSWT     | OBSOLETE      | UQFN         | RSW             | 10   |             | TBD             | Call TI                              | Call TI              | -40 to 125   | KRJ                     |         |
| INA214BIDCKR     | ACTIVE        | SC70         | DCK             | 6    | 3000        | RoHS & Green    | NIPDAU   SN                          | Level-2-260C-1 YEAR  | -40 to 125   | SEA                     | Samples |
| INA214BIDCKT     | ACTIVE        | SC70         | DCK             | 6    | 250         | RoHS & Green    | NIPDAU   SN                          | Level-2-260C-1 YEAR  | -40 to 125   | SEA                     | Samples |
| INA214BIRSWR     | ACTIVE        | UQFN         | RSW             | 10   | 3000        | RoHS & Green    | NIPDAU                               | Level-1-260C-UNLIM   | -40 to 125   | SHU                     | Samples |
| INA214CIDCKR     | ACTIVE        | SC70         | DCK             | 6    | 3000        | RoHS & Green    | NIPDAU                               | Level-2-260C-1 YEAR  | -40 to 125   | 16G                     | Samples |
| INA214CIDCKT     | OBSOLETE      | SC70         | DCK             | 6    |             | TBD             | Call TI                              | Call TI              | -40 to 125   | 16G                     |         |
| INA214CIRSWR     | ACTIVE        | UQFN         | RSW             | 10   | 3000        | RoHS & Green    | NIPDAU                               | Level-1-260C-UNLIM   | -40 to 125   | 16X                     | Samples |
| INA214CIRSWT     | OBSOLETE      | UQFN         | RSW             | 10   |             | TBD             | Call TI                              | Call TI              | -40 to 125   | 16X                     |         |
| INA215AIDCKR     | ACTIVE        | SC70         | DCK             | 6    | 3000        | RoHS & Green    | NIPDAU   SN                          | Level-2-260C-1 YEAR  | -40 to 125   | SME                     | Samples |
| INA215AIDCKT     | ACTIVE        | SC70         | DCK             | 6    | 250         | RoHS & Green    | NIPDAU   SN                          | Level-2-260C-1 YEAR  | -40 to 125   | SME                     | Samples |
| INA215BIDCKR     | ACTIVE        | SC70         | DCK             | 6    | 3000        | RoHS & Green    | NIPDAU   SN                          | Level-2-260C-1 YEAR  | -40 to 125   | 13S                     | Samples |
| INA215BIDCKT     | ACTIVE        | SC70         | DCK             | 6    | 250         | RoHS & Green    | NIPDAU   SN                          | Level-2-260C-1 YEAR  | -40 to 125   | 13S                     | Samples |
| INA215BIRSWR     | ACTIVE        | UQFN         | RSW             | 10   | 3000        | RoHS & Green    | NIPDAU                               | Level-1-260C-UNLIM   | -40 to 125   | 13R                     | Samples |
| INA215CIDCKR     | ACTIVE        | SC70         | DCK             | 6    | 3000        | RoHS & Green    | NIPDAU                               | Level-2-260C-1 YEAR  | -40 to 125   | 17K                     | Samples |
| INA215CIDCKT     | OBSOLETE      | SC70         | DCK             | 6    |             | TBD             | Call TI                              | Call TI              | -40 to 125   | 17K                     |         |
| INA215CIRSWR     | ACTIVE        | UQFN         | RSW             | 10   | 3000        | RoHS & Green    | NIPDAU                               | Level-1-260C-UNLIM   | -40 to 125   | 16Z                     | Samples |

(1) The marketing status values are defined as follows:

**ACTIVE:** Product device recommended for new designs.

**LIFEBUY:** TI has announced that the device will be discontinued, and a lifetime-buy period is in effect.

**NRND:** Not recommended for new designs. Device is in production to support existing customers, but TI does not recommend using this part in a new design.

**PREVIEW:** Device has been announced but is not in production. Samples may or may not be available.

**OBSOLETE:** TI has discontinued the production of the device.

(2) **RoHS:** TI defines "RoHS" to mean semiconductor products that are compliant with the current EU RoHS requirements for all 10 RoHS substances, including the requirement that RoHS substance do not exceed 0.1% by weight in homogeneous materials. Where designed to be soldered at high temperatures, "RoHS" products are suitable for use in specified lead-free processes. TI may reference these types of products as "Pb-Free".

**RoHS Exempt:** TI defines "RoHS Exempt" to mean products that contain lead but are compliant with EU RoHS pursuant to a specific EU RoHS exemption.

**Green:** TI defines "Green" to mean the content of Chlorine (Cl) and Bromine (Br) based flame retardants meet JS709B low halogen requirements of  $\leq 1000$ ppm threshold. Antimony trioxide based flame retardants must also meet the  $\leq 1000$ ppm threshold requirement.

- (3) MSL, Peak Temp. - The Moisture Sensitivity Level rating according to the JEDEC industry standard classifications, and peak solder temperature.
- (4) There may be additional marking, which relates to the logo, the lot trace code information, or the environmental category on the device.
- (5) Multiple Device Markings will be inside parentheses. Only one Device Marking contained in parentheses and separated by a "~" will appear on a device. If a line is indented then it is a continuation of the previous line and the two combined represent the entire Device Marking for that device.
- (6) Lead finish/Ball material - Orderable Devices may have multiple material finish options. Finish options are separated by a vertical ruled line. Lead finish/Ball material values may wrap to two lines if the finish value exceeds the maximum column width.

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**OTHER QUALIFIED VERSIONS OF INA210, INA211, INA212, INA213, INA214, INA215 :**

- Automotive : [INA210-Q1](#), [INA211-Q1](#), [INA212-Q1](#), [INA213-Q1](#), [INA214-Q1](#), [INA215-Q1](#)

NOTE: Qualified Version Definitions:

- Automotive - Q100 devices qualified for high-reliability automotive applications targeting zero defects