

**PACKAGING INFORMATION**

Orderable part number	Status (1)	Material type (2)	Package   Pins	Package qty   Carrier	RoHS (3)	Lead finish/ Ball material (4)	MSL rating/ Peak reflow (5)	Op temp (°C)	Part marking (6)
<a href="#">INA181A1IDBVR</a>	Active	Production	SOT-23 (DBV)   6	3000   LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	18JD
INA181A1IDBVR.Z	Active	Production	SOT-23 (DBV)   6	3000   LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	18JD
<a href="#">INA181A1IDBVT</a>	Active	Production	SOT-23 (DBV)   6	250   SMALL T&R	Yes	NIPDAU   SN	Level-1-260C-UNLIM	-40 to 125	18JD
INA181A1IDBVT.Z	Active	Production	SOT-23 (DBV)   6	250   SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	18JD
<a href="#">INA181A1IDCKR</a>	Active	Production	SC70 (DCK)   6	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	1P8
INA181A1IDCKR.Z	Active	Production	SC70 (DCK)   6	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	1P8
<a href="#">INA181A2IDBVR</a>	Active	Production	SOT-23 (DBV)   6	3000   LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	1AED
INA181A2IDBVR.Z	Active	Production	SOT-23 (DBV)   6	3000   LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	1AED
<a href="#">INA181A2IDBVT</a>	Active	Production	SOT-23 (DBV)   6	250   SMALL T&R	Yes	NIPDAU   SN	Level-1-260C-UNLIM	-40 to 125	1AED
INA181A2IDBVT.Z	Active	Production	SOT-23 (DBV)   6	250   SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	1AED
<a href="#">INA181A2IDCKR</a>	Active	Production	SC70 (DCK)   6	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	1PE
INA181A2IDCKR.Z	Active	Production	SC70 (DCK)   6	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	1PE
<a href="#">INA181A3IDBVR</a>	Active	Production	SOT-23 (DBV)   6	3000   LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	1AFD
INA181A3IDBVR.Z	Active	Production	SOT-23 (DBV)   6	3000   LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	1AFD
<a href="#">INA181A3IDBVT</a>	Active	Production	SOT-23 (DBV)   6	250   SMALL T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	1AFD
INA181A3IDBVT.Z	Active	Production	SOT-23 (DBV)   6	250   SMALL T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	1AFD
<a href="#">INA181A3IDCKR</a>	Active	Production	SC70 (DCK)   6	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	1PF
INA181A3IDCKR.Z	Active	Production	SC70 (DCK)   6	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	1PF
<a href="#">INA181A4IDBVR</a>	Active	Production	SOT-23 (DBV)   6	3000   LARGE T&R	Yes	NIPDAU   SN	Level-1-260C-UNLIM	-40 to 125	1AGD
INA181A4IDBVR.Z	Active	Production	SOT-23 (DBV)   6	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	1AGD
<a href="#">INA181A4IDBVT</a>	Obsolete	Production	SOT-23 (DBV)   6	-	-	Call TI	Call TI	-40 to 125	1AGD
<a href="#">INA181A4IDCKR</a>	Active	Production	SC70 (DCK)   6	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	1PG
INA181A4IDCKR.Z	Active	Production	SC70 (DCK)   6	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	1PG
<a href="#">INA2181A1IDGSR</a>	Active	Production	VSSOP (DGS)   10	2500   LARGE T&R	Yes	NIPDAUAG   SN	Level-2-260C-1 YEAR	-40 to 125	1CW6
INA2181A1IDGSR.Z	Active	Production	VSSOP (DGS)   10	2500   LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	-40 to 125	1CW6
<a href="#">INA2181A1IDGST</a>	Last Time Buy	Production	VSSOP (DGS)   10	250   SMALL T&R	Yes	NIPDAUAG   SN	Level-2-260C-1 YEAR	-40 to 125	1CW6
<a href="#">INA2181A1IDSQR</a>	Active	Production	WSON (DSQ)   10	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	25IY
INA2181A1IDSQR.Z	Active	Production	WSON (DSQ)   10	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	25IY

Orderable part number	Status (1)	Material type (2)	Package   Pins	Package qty   Carrier	RoHS (3)	Lead finish/ Ball material (4)	MSL rating/ Peak reflow (5)	Op temp (°C)	Part marking (6)
<a href="#">INA2181A1IDSQT</a>	Obsolete	Production	WSON (DSQ)   10	-	-	Call TI	Call TI	-40 to 125	25IY
<a href="#">INA2181A2IDGSR</a>	Active	Production	VSSOP (DGS)   10	2500   LARGE T&R	Yes	NIPDAUAG   SN	Level-2-260C-1 YEAR	-40 to 125	1DR6
<a href="#">INA2181A2IDGSR.Z</a>	Active	Production	VSSOP (DGS)   10	2500   LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	-40 to 125	1DR6
<a href="#">INA2181A2IDGST</a>	Obsolete	Production	VSSOP (DGS)   10	-	-	Call TI	Call TI	-40 to 125	1DR6
<a href="#">INA2181A2IDSQR</a>	Active	Production	WSON (DSQ)   10	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	25JY
<a href="#">INA2181A2IDSQR.Z</a>	Active	Production	WSON (DSQ)   10	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	25JY
<a href="#">INA2181A2IDSQT</a>	Obsolete	Production	WSON (DSQ)   10	-	-	Call TI	Call TI	-40 to 125	25JY
<a href="#">INA2181A3IDGSR</a>	Active	Production	VSSOP (DGS)   10	2500   LARGE T&R	Yes	NIPDAUAG   SN	Level-2-260C-1 YEAR	-40 to 125	1DS6
<a href="#">INA2181A3IDGSR.Z</a>	Active	Production	VSSOP (DGS)   10	2500   LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	-40 to 125	1DS6
<a href="#">INA2181A3IDGST</a>	Last Time Buy	Production	VSSOP (DGS)   10	250   SMALL T&R	Yes	NIPDAUAG   SN	Level-2-260C-1 YEAR	-40 to 125	1DS6
<a href="#">INA2181A3IDSQR</a>	Active	Production	WSON (DSQ)   10	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	25KY
<a href="#">INA2181A3IDSQR.Z</a>	Active	Production	WSON (DSQ)   10	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	25KY
<a href="#">INA2181A3IDSQT</a>	Obsolete	Production	WSON (DSQ)   10	-	-	Call TI	Call TI	-40 to 125	25KY
<a href="#">INA2181A4IDGSR</a>	Active	Production	VSSOP (DGS)   10	2500   LARGE T&R	Yes	NIPDAUAG   SN	Level-2-260C-1 YEAR	-40 to 125	1DT6
<a href="#">INA2181A4IDGSR.Z</a>	Active	Production	VSSOP (DGS)   10	2500   LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	-40 to 125	1DT6
<a href="#">INA2181A4IDGST</a>	Obsolete	Production	VSSOP (DGS)   10	-	-	Call TI	Call TI	-40 to 125	1DT6
<a href="#">INA2181A4IDSQR</a>	Active	Production	WSON (DSQ)   10	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	25LY
<a href="#">INA2181A4IDSQR.Z</a>	Active	Production	WSON (DSQ)   10	3000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	25LY
<a href="#">INA2181A4IDSQT</a>	Obsolete	Production	WSON (DSQ)   10	-	-	Call TI	Call TI	-40 to 125	25LY
<a href="#">INA4181A1IPWR</a>	Active	Production	TSSOP (PW)   20	2000   LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	4181A1
<a href="#">INA4181A1IPWR.Z</a>	Active	Production	TSSOP (PW)   20	2000   LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	4181A1
<a href="#">INA4181A2IPWR</a>	Active	Production	TSSOP (PW)   20	2000   LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	4181A2
<a href="#">INA4181A2IPWR.Z</a>	Active	Production	TSSOP (PW)   20	2000   LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	4181A2
<a href="#">INA4181A2IPWRG4.Z</a>	Active	Production	TSSOP (PW)   20	2000   LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	4181A2
<a href="#">INA4181A3IPWR</a>	Active	Production	TSSOP (PW)   20	2000   LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	4181A3
<a href="#">INA4181A3IPWR.Z</a>	Active	Production	TSSOP (PW)   20	2000   LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	4181A3
<a href="#">INA4181A4IPWR</a>	Active	Production	TSSOP (PW)   20	2000   LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	4181A4
<a href="#">INA4181A4IPWR.Z</a>	Active	Production	TSSOP (PW)   20	2000   LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 125	4181A4

<sup>(1)</sup> **Status:** For more details on status, see our [product life cycle](#).

(2) **Material type:** When designated, preproduction parts are prototypes/experimental devices, and are not yet approved or released for full production. Testing and final process, including without limitation quality assurance, reliability performance testing, and/or process qualification, may not yet be complete, and this item is subject to further changes or possible discontinuation. If available for ordering, purchases will be subject to an additional waiver at checkout, and are intended for early internal evaluation purposes only. These items are sold without warranties of any kind.

(3) **RoHS values:** Yes, No, RoHS Exempt. See the [TI RoHS Statement](#) for additional information and value definition.

(4) **Lead finish/Ball material:** Parts 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.

(5) **MSL rating/Peak reflow:** The moisture sensitivity level ratings and peak solder (reflow) temperatures. In the event that a part has multiple moisture sensitivity ratings, only the lowest level per JEDEC standards is shown. Refer to the shipping label for the actual reflow temperature that will be used to mount the part to the printed circuit board.

(6) **Part marking:** There may be an additional marking, which relates to the logo, the lot trace code information, or the environmental category of the part.

Multiple part markings will be inside parentheses. Only one part marking contained in parentheses and separated by a "~" will appear on a part. If a line is indented then it is a continuation of the previous line and the two combined represent the entire part marking for that device.

**Important Information and Disclaimer:**The information provided on this page represents TI's knowledge and belief as of the date that it is provided. TI bases its knowledge and belief on information provided by third parties, and makes no representation or warranty as to the accuracy of such information. Efforts are underway to better integrate information from third parties. TI has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and chemicals. TI and TI suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.

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**OTHER QUALIFIED VERSIONS OF INA181, INA2181, INA4181 :**

- Automotive : [INA181-Q1](#), [INA2181-Q1](#), [INA4181-Q1](#)

NOTE: Qualified Version Definitions:

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