PACKAGING INFORMATION

Orderable Device	Status (1)	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead finish/ Ball material (6)	MSL Peak Temp (3)	Op Temp (°C)	Device Marking (4/5)	Samples
INA199A1DCKR	ACTIVE	SC70	DCK	6	3000	RoHS & Green	NIPDAU | SN	Level-2-260C-1 YEAR	-40 to 125	OBG	Samples
INA199A1DCKT	ACTIVE	SC70	DCK	6	250	RoHS & Green	NIPDAU | SN	Level-2-260C-1 YEAR	-40 to 125	OBG	Samples
INA199A1RSWR	ACTIVE	UQFN	RSW	10	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	NSJ	Samples
INA199A1RSWT	ACTIVE	UQFN	RSW	10	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	NSJ	Samples
INA199A2DCKR	ACTIVE	SC70	DCK	6	3000	RoHS & Green	NIPDAU | SN	Level-2-260C-1 YEAR	-40 to 125	OBH	Samples
INA199A2DCKT	ACTIVE	SC70	DCK	6	250	RoHS & Green	NIPDAU | SN	Level-2-260C-1 YEAR	-40 to 125	OBH	Samples
INA199A2RSWR	ACTIVE	UQFN	RSW	10	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	NTJ	Samples
INA199A2RSWT	OBSOLETE	UQFN	RSW	10		TBD	Call TI	Call TI	-40 to 125	NTJ	
INA199A3DCKR	ACTIVE	SC70	DCK	6	3000	RoHS & Green	NIPDAU | SN	Level-2-260C-1 YEAR	-40 to 125	OBI	Samples
INA199A3DCKT	ACTIVE	SC70	DCK	6	250	RoHS & Green	NIPDAU | SN	Level-2-260C-1 YEAR	-40 to 125	OBI	Samples
INA199A3RSWR	ACTIVE	UQFN	RSW	10	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	NUJ	Samples
INA199B1DCKR	ACTIVE	SC70	DCK	6	3000	RoHS & Green	NIPDAU | SN	Level-2-260C-1 YEAR	-40 to 125	SEB	Samples
INA199B1DCKT	ACTIVE	SC70	DCK	6	250	RoHS & Green	NIPDAU | SN	Level-2-260C-1 YEAR	-40 to 125	SEB	Samples
INA199B1RSWR	ACTIVE	UQFN	RSW	10	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	SHV	Samples
INA199B1RSWT	OBSOLETE	UQFN	RSW	10		TBD	Call TI	Call TI	-40 to 125	SHV	
INA199B2DCKR	ACTIVE	SC70	DCK	6	3000	RoHS & Green	NIPDAU | SN	Level-2-260C-1 YEAR	-40 to 125	SEG	Samples
INA199B2DCKT	ACTIVE	SC70	DCK	6	250	RoHS & Green	NIPDAU | SN	Level-2-260C-1 YEAR	-40 to 125	SEG	Samples
INA199B2RSWR	ACTIVE	UQFN	RSW	10	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	SHW	Samples
INA199B3DCKR	ACTIVE	SC70	DCK	6	3000	RoHS & Green	NIPDAU | SN	Level-2-260C-1 YEAR	-40 to 125	SHE	Samples
INA199B3DCKT	ACTIVE	SC70	DCK	6	250	RoHS & Green	NIPDAU | SN	Level-2-260C-1 YEAR	-40 to 125	SHE	Samples

Orderable Device	Status (1)	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead finish/ Ball material (6)	MSL Peak Temp (3)	Op Temp (°C)	Device Marking (4/5)	Samples
INA199B3RSWR	ACTIVE	UQFN	RSW	10	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	SHX	Samples
INA199C1DCKR	ACTIVE	SC70	DCK	6	3000	RoHS & Green	NIPDAU | SN	Level-2-260C-1 YEAR	-40 to 125	16L	Samples
INA199C1DCKT	OBSOLETE	SC70	DCK	6		TBD	Call TI	Call TI	-40 to 125	16L	
INA199C1RSWR	ACTIVE	UQFN	RSW	10	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	(160, 16O)	Samples
INA199C1RSWT	OBSOLETE	UQFN	RSW	10		TBD	Call TI	Call TI	-40 to 125	(160, 16O)	
INA199C2DCKR	ACTIVE	SC70	DCK	6	3000	RoHS & Green	NIPDAU | SN	Level-2-260C-1 YEAR	-40 to 125	16M	Samples
INA199C2DCKT	OBSOLETE	SC70	DCK	6		TBD	Call TI	Call TI	-40 to 125	16M	
INA199C2RSWR	ACTIVE	UQFN	RSW	10	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	16P	Samples
INA199C2RSWT	OBSOLETE	UQFN	RSW	10		TBD	Call TI	Call TI	-40 to 125	16P	
INA199C3DCKR	ACTIVE	SC70	DCK	6	3000	RoHS & Green	NIPDAU | SN	Level-2-260C-1 YEAR	-40 to 125	16N	Samples
INA199C3DCKT	ACTIVE	SC70	DCK	6	250	RoHS & Green	NIPDAU | SN	Level-2-260C-1 YEAR	-40 to 125	16N	Samples
INA199C3RSWR	ACTIVE	UQFN	RSW	10	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	16Q	Samples
INA199C3RSWT	OBSOLETE	UQFN	RSW	10		TBD	Call TI	Call TI	-40 to 125	16Q	

(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 <=1000ppm threshold. Antimony trioxide based flame retardants must also meet the <=1000ppm 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.

OTHER QUALIFIED VERSIONS OF INA199 :

- Automotive : INA199-Q1

NOTE: Qualified Version Definitions:

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