

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
OPA2241PA	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU	N / A for Pkg Type	-40 to 85	OPA2241PA	Samples
OPA2241PAG4	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU	N / A for Pkg Type	-40 to 85	OPA2241PA	Samples
OPA2241UA	OBSOLETE	SOIC	D	8		TBD	Call TI	Call TI	-40 to 85	OPA 2241UA	
OPA2241UA/2K5	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 2241UA	Samples
OPA2251PA	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU	N / A for Pkg Type	-40 to 85	OPA2251PA	Samples
OPA2251PAG4	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU	N / A for Pkg Type	-40 to 85	OPA2251PA	Samples
OPA2251UA	OBSOLETE	SOIC	D	8		TBD	Call TI	Call TI	-40 to 85	OPA 2251UA	
OPA2251UA/2K5	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 2251UA	Samples
OPA241PA	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU	N / A for Pkg Type		OPA241PA	Samples
OPA241UA	OBSOLETE	SOIC	D	8		TBD	Call TI	Call TI	-40 to 85	OPA 241UA	
OPA241UA/2K5	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 241UA	Samples
OPA251UA	OBSOLETE	SOIC	D	8		TBD	Call TI	Call TI	-40 to 85	OPA 251UA	
OPA251UA/2K5	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 251UA	Samples
OPA4241PA	ACTIVE	PDIP	N	14	25	RoHS & Green	NIPDAU	N / A for Pkg Type	-40 to 85	OPA4241PA	Samples
OPA4241UA	ACTIVE	SOIC	D	14	50	RoHS & Green	NIPDAU-DCC	Level-3-260C-168 HR	-40 to 85	OPA4241UA	Samples
OPA4241UA/2K5	ACTIVE	SOIC	D	14	2500	RoHS & Green	NIPDAU-DCC	Level-3-260C-168 HR	-40 to 85	OPA4241UA	Samples
OPA4251UA	ACTIVE	SOIC	D	14	50	RoHS & Green	NIPDAU-DCC	Level-3-260C-168 HR	-40 to 85	OPA4251UA	Samples
OPA4251UA/2K5	ACTIVE	SOIC	D	14	2500	RoHS & Green	NIPDAU-DCC	Level-3-260C-168 HR	-40 to 85	OPA4251UA	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.

OBSELETE: 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 ≤ 1000 ppm threshold. Antimony trioxide based flame retardants must also meet the ≤ 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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