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
OPA2227P	ACTIVE	PDIP	P	8	50	RoHS & Green	Call TI	N / A for Pkg Type	-40 to 85	OPA2227P	Samples
OPA2227PA	ACTIVE	PDIP	P	8	50	RoHS & Green	Call TI	N / A for Pkg Type	-40 to 85	OPA2227P A	Samples
OPA2227U	ACTIVE	SOIC	D	8	75	RoHS & Green	Call TI | NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 2227U	Samples
OPA2227U/2K5	ACTIVE	SOIC	D	8	2500	RoHS & Green	Call TI | NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 2227U	Samples
OPA2227UA	ACTIVE	SOIC	D	8	75	RoHS & Green	Call TI | NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 2227U A	Samples
OPA2227UA/2K5	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 2227U A	Samples
OPA2228P	ACTIVE	PDIP	P	8	50	RoHS & Green	Call TI	N / A for Pkg Type	-40 to 85	OPA2228P	Samples
OPA2228PA	ACTIVE	PDIP	P	8	50	RoHS & Green	Call TI	N / A for Pkg Type	-40 to 85	OPA2228P A	Samples
OPA2228PAG4	ACTIVE	PDIP	P	8	50	RoHS & Green	Call TI	N / A for Pkg Type	-40 to 85	OPA2228P A	Samples
OPA2228PG4	ACTIVE	PDIP	P	8	50	RoHS & Green	Call TI	N / A for Pkg Type	-40 to 85	OPA2228P	Samples
OPA2228U	ACTIVE	SOIC	D	8	75	RoHS & Green	Call TI | NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 2228U	Samples
OPA2228U/2K5	ACTIVE	SOIC	D	8	2500	RoHS & Green	Call TI | NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 2228U	Samples
OPA2228UA	ACTIVE	SOIC	D	8	75	RoHS & Green	Call TI | NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 2228U A	Samples
OPA2228UA/2K5	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 2228U A	Samples
OPA227P	ACTIVE	PDIP	P	8	50	RoHS & Green	Call TI	N / A for Pkg Type	-40 to 85	OPA227P	Samples
OPA227PA	ACTIVE	PDIP	P	8	50	RoHS & Green	Call TI	N / A for Pkg Type	-40 to 85	OPA227P	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
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OPA227PAG4	ACTIVE	PDIP	P	8	50	RoHS & Green	Call TI	N / A for Pkg Type	-40 to 85	OPA227P A	Samples
OPA227PG4	ACTIVE	PDIP	P	8	50	RoHS & Green	Call TI	N / A for Pkg Type	-40 to 85	OPA227P	Samples
OPA227U	ACTIVE	SOIC	D	8	75	RoHS & Green	Call TI | NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 227U	Samples
OPA227U/2K5	ACTIVE	SOIC	D	8	2500	RoHS & Green	Call TI | NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 227U	Samples
OPA227UA	ACTIVE	SOIC	D	8	75	RoHS & Green	Call TI | NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 227U A	Samples
OPA227UA/2K5	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 227U A	Samples
OPA228P	ACTIVE	PDIP	P	8	50	RoHS & Green	Call TI	N / A for Pkg Type	-55 to 125	OPA228P	Samples
OPA228PA	ACTIVE	PDIP	P	8	50	RoHS & Green	Call TI	N / A for Pkg Type	-55 to 125	OPA228P A	Samples
OPA228PAG4	ACTIVE	PDIP	P	8	50	RoHS & Green	Call TI	N / A for Pkg Type	-55 to 125	OPA228P A	Samples
OPA228U	ACTIVE	SOIC	D	8	75	RoHS & Green	Call TI | NIPDAU	Level-3-260C-168 HR	-55 to 125	OPA 228U	Samples
OPA228UA	ACTIVE	SOIC	D	8	75	RoHS & Green	Call TI | NIPDAU	Level-3-260C-168 HR	-55 to 125	OPA 228U A	Samples
OPA228UA/2K5	ACTIVE	SOIC	D	8	2500	RoHS & Green	Call TI | NIPDAU	Level-3-260C-168 HR	-55 to 125	OPA 228U A	Samples
OPA4227PA	ACTIVE	PDIP	N	14	25	RoHS & Green	NIPDAU	N / A for Pkg Type	-40 to 85	OPA4227PA	Samples
OPA4227PAG4	ACTIVE	PDIP	N	14	25	RoHS & Green	NIPDAU	N / A for Pkg Type	-40 to 85	OPA4227PA	Samples
OPA4227UA	ACTIVE	SOIC	D	14	50	RoHS & Green	NIPDAU | NIPDAU-DCC	Level-3-260C-168 HR	-40 to 85	OPA4227UA	Samples
OPA4227UA/2K5	ACTIVE	SOIC	D	14	2500	RoHS & Green	NIPDAU | NIPDAU-DCC	Level-3-260C-168 HR	-40 to 85	OPA4227UA	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
OPA4228PA	ACTIVE	PDIP	N	14	25	RoHS & Green	NIPDAU	N / A for Pkg Type	-55 to 125	OPA4228PA	Samples
OPA4228UA	ACTIVE	SOIC	D	14	50	RoHS & Green	NIPDAU-DCC	Level-3-260C-168 HR	-55 to 125	OPA4228UA	Samples
OPA4228UA/2K5	ACTIVE	SOIC	D	14	2500	RoHS & Green	NIPDAU-DCC	Level-3-260C-168 HR	-55 to 125	OPA4228UA	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 <=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.

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OTHER QUALIFIED VERSIONS OF OPA2227 :

- Enhanced Product : OPA2227-EP

NOTE: Qualified Version Definitions:

- Enhanced Product - Supports Defense, Aerospace and Medical Applications