

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)
OPA2227P	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-40 to 85	OPA2227P
OPA2227P.A	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-40 to 85	OPA2227P
OPA2227PA	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-40 to 85	OPA2227P A
OPA2227PA.A	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-40 to 85	OPA2227P A
OPA2227U	Active	Production	SOIC (D) 8	75 TUBE	-	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 2227U
OPA2227U.B	Active	Production	SOIC (D) 8	75 TUBE	-	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 2227U
OPA2227U/2K5	Active	Production	SOIC (D) 8	2500 LARGE T&R	-	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 2227U
OPA2227U/2K5.B	Active	Production	SOIC (D) 8	2500 LARGE T&R	-	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 2227U
OPA2227UA	Active	Production	SOIC (D) 8	75 TUBE	-	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 2227U A
OPA2227UA.B	Active	Production	SOIC (D) 8	75 TUBE	-	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 2227U A
OPA2227UA/2K5	Active	Production	SOIC (D) 8	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 2227U A
OPA2227UA/2K5.B	Active	Production	SOIC (D) 8	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 2227U A
OPA2227UA1G4	Active	Production	SOIC (D) 8	75 TUBE	-	Call TI	Call TI	-40 to 85	OPA 2227U A
OPA2228P	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-40 to 85	OPA2228P
OPA2228P.A	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-40 to 85	OPA2228P
OPA2228PA	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-40 to 85	OPA2228P A

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OPA2228PA.A	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-40 to 85	OPA2228P A
OPA2228PAG4	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-40 to 85	OPA2228P A
OPA2228PG4	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-40 to 85	OPA2228P
OPA2228U	Active	Production	SOIC (D) 8	75 TUBE	-	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 2228U
OPA2228U.B	Active	Production	SOIC (D) 8	75 TUBE	-	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 2228U
OPA2228U/2K5	Active	Production	SOIC (D) 8	2500 LARGE T&R	-	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 2228U
OPA2228U/2K5.B	Active	Production	SOIC (D) 8	2500 LARGE T&R	-	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 2228U
OPA2228UA	Active	Production	SOIC (D) 8	75 TUBE	-	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 2228U A
OPA2228UA.B	Active	Production	SOIC (D) 8	75 TUBE	-	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 2228U A
OPA2228UA/2K5	Active	Production	SOIC (D) 8	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 2228U A
OPA2228UA/2K5.B	Active	Production	SOIC (D) 8	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 2228U A
OPA2228UAG4	Active	Production	SOIC (D) 8	75 TUBE	-	Call TI	Call TI	-40 to 85	OPA 2228U A
OPA2228UG4	Active	Production	SOIC (D) 8	75 TUBE	-	Call TI	Call TI	-40 to 85	OPA 2228U
OPA2227P	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-40 to 85	OPA2227P
OPA2227P.A	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-40 to 85	OPA2227P
OPA2227PA	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-40 to 85	OPA2227P A
OPA2227PA.A	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-40 to 85	OPA2227P A

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)
OPA227PAG4	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-40 to 85	OPA227P A
OPA227PG4	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-40 to 85	OPA227P
OPA227U	Active	Production	SOIC (D) 8	75 TUBE	-	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 227U
OPA227U.B	Active	Production	SOIC (D) 8	75 TUBE	-	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 227U
OPA227U/2K5	Active	Production	SOIC (D) 8	2500 LARGE T&R	-	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 227U
OPA227U/2K5.B	Active	Production	SOIC (D) 8	2500 LARGE T&R	-	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 227U
OPA227UA	Active	Production	SOIC (D) 8	75 TUBE	-	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 227U A
OPA227UA.B	Active	Production	SOIC (D) 8	75 TUBE	-	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 227U A
OPA227UA/2K5	Active	Production	SOIC (D) 8	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 227U A
OPA227UA/2K5.B	Active	Production	SOIC (D) 8	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 227U A
OPA227UAG4	Active	Production	SOIC (D) 8	75 TUBE	-	Call TI	Call TI	-40 to 85	OPA 227U A
OPA227UG4	Active	Production	SOIC (D) 8	75 TUBE	-	Call TI	Call TI	-40 to 85	OPA 227U
OPA228P	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-55 to 125	OPA228P
OPA228P.A	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-55 to 125	OPA228P
OPA228PA	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-55 to 125	OPA228P A
OPA228PA.A	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-55 to 125	OPA228P A
OPA228PAG4	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-55 to 125	OPA228P A

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)
OPA228U	Active	Production	SOIC (D) 8	75 TUBE	-	NIPDAU	Level-2-260C-1 YEAR	-55 to 125	OPA 228U
OPA228U.B	Active	Production	SOIC (D) 8	75 TUBE	-	NIPDAU	Level-2-260C-1 YEAR	-55 to 125	OPA 228U
OPA228U1G4	Active	Production	SOIC (D) 8	75 TUBE	-	Call TI	Call TI	-55 to 125	OPA 228U
OPA228UA	Active	Production	SOIC (D) 8	75 TUBE	-	Call TI	Level-3-260C-168 HR	-55 to 125	OPA 228U A
OPA228UA.B	Active	Production	SOIC (D) 8	75 TUBE	-	Call TI	Level-3-260C-168 HR	-55 to 125	OPA 228U A
OPA228UA/2K5	Active	Production	SOIC (D) 8	2500 LARGE T&R	-	Call TI	Level-3-260C-168 HR	-55 to 125	OPA 228U A
OPA228UA/2K5.B	Active	Production	SOIC (D) 8	2500 LARGE T&R	-	Call TI	Level-3-260C-168 HR	-55 to 125	OPA 228U A
OPA4227PA	Active	Production	PDIP (N) 14	25 TUBE	Yes	NIPDAU	N/A for Pkg Type	-40 to 85	OPA4227PA
OPA4227PA.A	Active	Production	PDIP (N) 14	25 TUBE	Yes	NIPDAU	N/A for Pkg Type	-40 to 85	OPA4227PA
OPA4227PAG4	Active	Production	PDIP (N) 14	25 TUBE	Yes	NIPDAU	N/A for Pkg Type	-40 to 85	OPA4227PA
OPA4227UA	Active	Production	SOIC (D) 14	50 TUBE	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA4227UA
OPA4227UA/2K5	Active	Production	SOIC (D) 14	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA4227UA
OPA4228PA	Active	Production	PDIP (N) 14	25 TUBE	Yes	NIPDAU	N/A for Pkg Type	-55 to 125	OPA4228PA
OPA4228PA.A	Active	Production	PDIP (N) 14	25 TUBE	Yes	NIPDAU	N/A for Pkg Type	-55 to 125	OPA4228PA
OPA4228UA	Active	Production	SOIC (D) 14	50 TUBE	Yes	NIPDAU	Level-3-260C-168 HR	-55 to 125	OPA4228UA
OPA4228UA.A	Active	Production	SOIC (D) 14	50 TUBE	Yes	NIPDAU	Level-3-260C-168 HR	-55 to 125	OPA4228UA
OPA4228UA/2K5	Active	Production	SOIC (D) 14	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-55 to 125	OPA4228UA
OPA4228UA/2K5.A	Active	Production	SOIC (D) 14	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-55 to 125	OPA4228UA

⁽¹⁾ **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.

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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