

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)
OPA2277AIDRMT	Active	Production	VSON (DRM) 8	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-	BHZ
OPA2277AIDRMT.B	Active	Production	VSON (DRM) 8	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	BHZ
OPA2277AIDRMT1G4	Active	Production	VSON (DRM) 8	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	BHZ
OPA2277AIDRMT1G4.B	Active	Production	VSON (DRM) 8	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	BHZ
OPA2277P	Active	Production	PDIP (P) 8	50 TUBE	Yes	NIPDAU	N/A for Pkg Type	-	OPA2277P
OPA2277P.B	Active	Production	PDIP (P) 8	50 TUBE	Yes	NIPDAU	N/A for Pkg Type	-40 to 85	OPA2277P
OPA2277PA	Active	Production	PDIP (P) 8	50 TUBE	Yes	NIPDAU	N/A for Pkg Type	-	OPA2277PA
OPA2277PA.B	Active	Production	PDIP (P) 8	50 TUBE	Yes	NIPDAU	N/A for Pkg Type	-40 to 85	OPA2277PA
OPA2277U	Active	Production	SOIC (D) 8	75 TUBE	Yes	Call TI Nipdau	Level-3-260C-168 HR	-	OPA 2277U
OPA2277U.B	Active	Production	SOIC (D) 8	75 TUBE	Yes	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 2277U
OPA2277U/2K5	Active	Production	SOIC (D) 8	2500 LARGE T&R	Yes	Call TI Nipdau	Level-3-260C-168 HR	-40 to 85	OPA 2277U
OPA2277U/2K5.B	Active	Production	SOIC (D) 8	2500 LARGE T&R	Yes	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 2277U
OPA2277UA	Active	Production	SOIC (D) 8	75 TUBE	Yes	Call TI Nipdau	Level-3-260C-168 HR	-40 to 85	OPA 2277U A
OPA2277UA.B	Active	Production	SOIC (D) 8	75 TUBE	Yes	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 2277U A
OPA2277UA/2K5	Active	Production	SOIC (D) 8	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 2277U A
OPA2277UA/2K5.B	Active	Production	SOIC (D) 8	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 2277U A
OPA2277UA1G4	Active	Production	SOIC (D) 8	75 TUBE	-	Call TI	Call TI	-40 to 85	OPA 2277U A
OPA277AIDRMR	Active	Production	VSON (DRM) 8	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-	NSS
OPA277AIDRMR.A	Active	Production	VSON (DRM) 8	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	NSS

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OPA277AIDRMT	Active	Production	VSON (DRM) 8	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-	NSS
OPA277AIDRMT.A	Active	Production	VSON (DRM) 8	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	NSS
OPA277P	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-	OPA277P
OPA277P.A	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-40 to 85	OPA277P
OPA277PA	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-	OPA277P A
OPA277PA.A	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	-40 to 85	OPA277P A
OPA277PAG4	Active	Production	PDIP (P) 8	50 TUBE	Yes	Call TI	N/A for Pkg Type	See OPA277PA	OPA277P A
OPA277U	Active	Production	SOIC (D) 8	75 TUBE	Yes	Call TI Nipdau	Level-3-260C-168 HR	-	OPA 277U
OPA277U.B	Active	Production	SOIC (D) 8	75 TUBE	Yes	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 277U
OPA277U/2K5	Active	Production	SOIC (D) 8	2500 LARGE T&R	Yes	Call TI Nipdau	Level-3-260C-168 HR	-	OPA 277U
OPA277U/2K5.B	Active	Production	SOIC (D) 8	2500 LARGE T&R	Yes	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 277U
OPA277UA	Active	Production	SOIC (D) 8	75 TUBE	Yes	Call TI Nipdau	Level-3-260C-168 HR	-40 to 85	OPA 277U A
OPA277UA.B	Active	Production	SOIC (D) 8	75 TUBE	Yes	Call TI	Level-3-260C-168 HR	-40 to 85	OPA 277U A
OPA277UA/2K5	Active	Production	SOIC (D) 8	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 277U A
OPA277UA/2K5.B	Active	Production	SOIC (D) 8	2500 LARGE T&R	Yes	NIPDAU	Level-3-260C-168 HR	-40 to 85	OPA 277U A
OPA277UA/2K51G4	Active	Production	SOIC (D) 8	2500 LARGE T&R	-	Call TI	Call TI	-40 to 85	OPA 277U A
OPA277UAG4	Active	Production	SOIC (D) 8	75 TUBE	-	Call TI	Call TI	-40 to 85	
OPA4277PA	Active	Production	PDIP (N) 14	25 TUBE	Yes	NIPDAU	N/A for Pkg Type	-	OPA4277PA

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OPA4277PA.A	Active	Production	PDIP (N) 14	25 TUBE	Yes	NIPDAU	N/A for Pkg Type	-40 to 85	OPA4277PA
OPA4277UA	Active	Production	SOIC (D) 14	50 TUBE	Yes	NIPDAU NIPDAUAG	Level-3-260C-168 HR	-40 to 85	OPA4277UA
OPA4277UA/2K5	Active	Production	SOIC (D) 14	2500 LARGE T&R	Yes	NIPDAU NIPDAUAG	Level-3-260C-168 HR	-40 to 85	OPA4277UA

⁽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.

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 OPA2277, OPA4277 :

• Enhanced Product : [OPA2277-EP](#), [OPA4277-EP](#)

• Space : [OPA4277-SP](#)

NOTE: Qualified Version Definitions:

- Enhanced Product - Supports Defense, Aerospace and Medical Applications
- Space - Radiation tolerant, ceramic packaging and qualified for use in Space-based application