

Qualification Report

Approve Date 20-December-2024

Qualification Results

Data Displayed as: Number of lots / Total sample size / Total failed

Type	#	Test Name	Condition	Duration	Qual Device: PCDC6CAX25230ADLET	QBS Reference: CDC6CE156250ADLYT
HAST	A2	Biased HAST	130C/85%RH	96 Hours	-	3/231/0
UHAST	A3	Unbiased HAST	130C/85%RH	96 Hours	-	3/231/0
TC	A4	Temperature Cycle	-65C/150C	500 Cycles	1/77	3/231/0
HTSL	A6	High Temperature Storage Life	150C	1000 Hours	-	3/231/0
HTOL	B1	Life Test	125C	1000 Hours	-	1/77/0
SD	C3	PB-Free Solderability	Precondition w.155C Dry Bake (4 hrs +/- 15 minutes); PB-Free Solder;	-	-	1/22/0
ESD	E2	ESD CDM	-	250 Volts	-	1/3/0
ESD	E2	ESD HBM	-	1000 Volts	-	1/3/0
LU	E4	Latch-Up	Per JESD78	-	-	1/3/0
CHAR	E5	Electrical Characterization	Per Datasheet Parameters	-	-	1/30/0

Orderable Part Numbers

The following table contains a list of all TI Orderable Part Numbers (OPNs) released by this qualification.

CDC6CA012000ADLER	CDC6CA012000ADLET	CDC6CA016000ADLER	CDC6CA016000ADLET
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CDC6CA019200ADLER	CDC6CA019200ADLET	CDC6CA020000ADLER	CDC6CA020000ADLET
CDC6CA024000ADLER	CDC6CA024000ADLET	CDC6CA024576ADLER	CDC6CA024576ADLET
CDC6CA025000ADLER	CDC6CA025000ADLET	CDC6CA026000ADLER	CDC6CA026000ADLET
CDC6CA027000ADLER	CDC6CA027000ADLET	CDC6CA030000ADLER	CDC6CA030000ADLET
CDC6CA033330ADLER	CDC6CA033330ADLET	CDC6CA038400ADLER	CDC6CA038400ADLET
CDC6CA040000ADLER	CDC6CA040000ADLET	CDC6CA048000ADLER	CDC6CA048000ADLET
CDC6CA050000ADLER	CDC6CA050000ADLET	CDC6CA066660ADLER	CDC6CA066660ADLET
CDC6CA100000ADLER	CDC6CA100000ADLET	CDC6CA125000ADLER	CDC6CA125000ADLET
CDC6CA156250ADLER	CDC6CA156250ADLET	CDC6CBR07DLE	CDC6CBR08DLE
CDC6CBR09DLE	CDC6CBR10DLE	CDC6CBR11DLE	CDC6CE008192ADLER
CDC6CE008192ADLET	CDC6CE012000ADLER	CDC6CE012000ADLET	CDC6CE012288ADLER
CDC6CE012288ADLET	CDC6CE01311AADLER	CDC6CE01311AADLET	CDC6CE016000ADLER
CDC6CE016000ADLET	CDC6CE019200ADLER	CDC6CE019200ADLET	CDC6CE020000ADLER
CDC6CE020000ADLET	CDC6CE024000ADLER	CDC6CE024000ADLET	CDC6CE025000ADLER
CDC6CE025000ADLET	CDC6CE026000ADLER	CDC6CE026000ADLET	CDC6CE02621AADLER
CDC6CE02621AADLET	CDC6CE027000ADLER	CDC6CE027000ADLET	CDC6CE033330ADLER
CDC6CE033330ADLET	CDC6CE033333ADLER	CDC6CE033333ADLET	CDC6CE038400ADLER
CDC6CE038400ADLET	CDC6CE040000ADLER	CDC6CE040000ADLET	CDC6CE048000ADLER
CDC6CE048000ADLET	CDC6CE050000ADLER	CDC6CE050000ADLET	CDC6CE066660ADLER
CDC6CE066660ADLET	CDC6CE074250ADLER	CDC6CE074250ADLET	CDC6CE100000ADLER
CDC6CE100000ADLET	CDC6CE125000ADLER	CDC6CE125000ADLET	CDC6CE156250ADLER
CDC6CE156250ADLET	CDC6CE15625CDLET	PCDC6CAX25230ADLET	

- QBS: Qual By Similarity, also known as Generic Data
- Qual Device PCDC6CAX25230ADLET is qualified at MSL1 260C
- Preconditioning was performed for Autoclave, Unbiased HAST, THB/Biased HAST, Temperature Cycle, Thermal Shock, and HTSL, as applicable
- The following are equivalent HTOL options based on an activation energy of 0.7eV : 125C/1k Hours, 140C/480 Hours, 150C/300 Hours, and 155C/240 Hours
- The following are equivalent HTSL options based on an activation energy of 0.7eV : 150C/1k Hours, and 170C/420 Hours
- The following are equivalent Temp Cycle options per JESD47 : -55C/125C/700 Cycles and -65C/150C/500 Cycles

Quality and Environmental data is available at TI's external Web site: <http://www.ti.com/>

TI Qualification ID: R-NPD-2405-079

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