

Package Attributes	Qual Device: <u>TPS543C20ARVF</u>	Qual Device: <u>TPS543C20ARVF</u>	QBS Product Reference: <u>TPS543B20RVE</u>	QBS Product Reference: <u>TPS543C20RVE</u>	QBS Product Reference: <u>TPS548B22RVE</u>	QBS Package Reference: <u>TPS546D24RVE</u>	QBS Package Reference: <u>TPS544C24RVFR</u>
Assembly Site	UTAC	CLARK AT	CLARK AT	CLARK AT	CLARK AT	CLARK AT	UTAC
Package Family	QFN	QFN	QFN	QFN	QFN	QFN	QFN
Flammability Rating	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0

- QBS: Qual By Similarity

- Qual Device TPS543C20ARVF is qualified at LEVEL2-260C

- Device TPS543C20ARVF contains multiple dies.

Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device: <u>TPS543C20ARVF</u>	Qual Device: <u>TPS543C20ARVF</u>	QBS Product Reference: <u>TPS543B20RVE</u>	QBS Product Reference: <u>TPS543C20RVE</u>	QBS Product Reference: <u>TPS548B22RVE</u>	QBS Package Reference: <u>TPS546D24RVE</u>	QBS Package Reference: <u>TPS544C24RVFR</u>
AC	Autoclave 121C	96 Hours	-	-	-	-	-	3/231/0	3/231/0
ED	Electrical Characterization	Per Datasheet Parameters	Pass	Pass	Pass	Pass	-	Pass	-
HAST	Biased HAST, 110C/85%RH	264 Hours	-	-	-	3/231/0	-	3/231/0	3/231/0
HBM	ESD - HBM	2500 V	1/3/0	1/3/0	1/3/0	1/3/0	1/3/0	2/6/0	-
CDM	ESD - CDM	1500 V	1/3/0	1/3/0	1/3/0	1/3/0	1/3/0	2/6/0	-
HTOL	Life Test, 125C	168 Hours	-	1/77/0	-	-	-	-	-
HTOL	Life Test, 125C	1000 Hours	-	1/77/0	-	-	-	-	-
HTOL	Life Test, 150C	300 Hours	-	-	-	1/77/0	3/231/0	3/231/0	-
HTSL	High Temp. Storage Bake, 150C	1000 Hours	-	-	-	-	-	3/231/0	3/231/0
LU	Latch-up	(per JESD78)	-	-	1/6/0	1/6/0	1/6/0	2/12/0	-
TC	Temperature Cycle, - 55/125C	700 Cycles	1/77/0	3/231/0	1/77/0	-	3/231/0	3/231/0	3/231/0
UHAST	Unbiased HAST, 130C/85%RH	96 Hours	1/77/0	3/231/0	-	-	-	-	-

- 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: 20190227-128813

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