

EPC SPACE JANS, JANTXV, DEVELOPMENTAL COMPARISON PER MIL-PRF 19500

OPERATION	TEST	TEST METHODS PER MIL-STD-750	SAMPLE SIZE	QUALITY LEVEL		
				JANS	JANTXV	DEVELOPMENTAL
WAFER LOT ACCEPTANCE To be completed Prior to Shipment	GROUP B SUBGROUP 3 SEM	2077	3	✓	✓	
	GROUP D SUBGROUP 1 STEADY STATE TOTAL DOSE IRRADIATION	1019	30	✓	✓	
	SINGLE EVENT SEB. SEGR, SEDR	1080	3	✓	✓	
ASSEMBLY	VISUAL DIE INSPECTION	2069	100%	✓	✓	✓
	DIE SHEAR	2017	3 minimum	✓	✓	✓
	INTERNAL VISUAL	2069.2	100%	✓	✓	✓
POST ASSEMBLY	TEMPERATURE CYCLE -55C TO 150C 20CYCLES	1051	100%	✓	✓	
	HERMETICITY	1071 B1, G1, A	100%	✓	✓	
	CONSTANT ACCELERATION	2006	100%	✓	✓	
	PIND	2052	100%	✓	✓	
	LASER MARK	EPC SPACE INTERNAL	100%	✓	✓	✓
	X-RAY	2076	100%	✓	✓	
SCREENING	PRE HTGB 25C ELECTRICALS	3411, 3413, 3421, 3403, 4011	100%	✓	✓	
	HTGB AT 150C 48 HOURS	1042 B	100%	✓	✓	
	POST HTGB 25C ELECTRICALS	3411, 3413, 3421, 3403, 4011	100%	✓	✓	
	DELTA HTGB AND PDA	PER SLASH SHEET	100%	5%	10%	
	HTRB AT 150C 240 HOURS	1042 A	100%	240 h	168h	
	POST HTRB 25C ELECTRICALS	3411, 3413, 3421, 3403, 4011	100%	✓	✓	
	DELTA HTRB AND PDA	PER SLASH SHEET	100%	5%	10%	
	POST HTRB 125C ELECTRICALS	3411, 3413, 3421, 3403, 4011	100%	✓	✓	
	POST HTRB -55C ELECTRICALS	3411, 3413, 3421, 3403, 4011	100%	✓	✓	
	DYNAMIC RDSON TEST	JEP173	100%	✓	✓	
	FINAL 25C ELECTRICALS	3411, 3413, 3421, 3403, 4011	100%	✓	✓	
	FINAL OUT OF FAMILY SCREEN	EPC SPACE INTERNAL	100%	✓	✓	
	FINAL PART NUMBER LASER MARK	EPC SPACE INTERNAL	100%	✓	✓	
	QCI RANDOM SAMPLE SELECTION	EPC SPACE INTERNAL	AS NEEDED	✓	✓	
	SOLDER TINNING	EPC SPACE INTERNAL	100% LESS QCI	✓	✓	✓
	HERMETICITY	1071 B1, G1, A	100%	✓	✓	✓
POST SOLDER TINNING 25C ELECTRICALS	3411, 3413, 3421, 3403, 4011	100%	✓	✓	✓	
QCI GROUP A				✓	✓	
QCI GROUP B				✓	✓	
QCI GROUP C				✓	✓	
QCI GROUP D	PERFORMED AT WLAT			✓	✓	
QCI GROUP E				✓		