

Material Set Description:

Package	Material	CARSEM	AMKOR
TSOT 5/6/8Lead	Die Attach	Ablestik 84-3J	Ablestik 84-3J
	Mold Compound	Hitachi CEL8240 HF10LX	Sumitomo G600

Mold Surface Finish: Smooth Surface Finish (Carsem) - Matte Surface Finish (Amkor)

Reliability Qualification Results of TSOT package at Amkor Philippines (AP1)

QUALIFICATION RESULTS			
Test	Conditions	Sample Size	RESULT
Highly Accelerated Stress Test (HAST)*	JEDEC <i>JESD22-A110</i>	3 x 77	PASS
Temperature Cycle (TC)*	JEDEC <i>JESD22-A104</i>	3 x 77	PASS
Autoclave (AC)*	JEDEC <i>JESD22-A102</i>	3 x 77	PASS
Solder Heat Resistance (SHR)*	JEDEC/IPC <i>J-STD-020</i>	3 x 11	PASS
High Temperature Storage (HTS)	JEDEC <i>JESD22-A103</i>	1 x 77	PASS
Field Induced Charged Device Model (FICDM)	JEDEC <i>JESD22-C101</i>	3/Voltage	PASS ±1250V

*Preconditioned per JEDEC/IPC J-STD-020