

✦ Environmental Testing

Test	Property	Result
High Temp (125°C/50V)	Capacitance Dissipation Factor (D.F.)	No Change (1000 hrs)
Thermal Cycle (-55/125°C)	Capacitance/D.F.	No Change (2000 cycles)
Thermal Shock (-40°C/125°C)	Capacitance	No Change (1000 cycles)
TMA (T260)	Life	>5 minutes
THB (85°C/85%RH/15V)	Life Capacitance D.F.	>1000 hrs 10-15% Increase* 0.4% to 0.9%*
ESD (2-8kV)	Capacitance/D.F.	No change
Bend Test	Capacitance/D.F.	No change (200 cycles)
Multiple Reflow (250°C; 3X)	Capacitance	No change
Solder Float (288°C; 3X and 6X respectively)	Capacitance/D.F PTH Quality	No change Pass (MIL-PRF-31032)

*Returned to pre-test level after bake

✦ **UL Testing**

Test	Property	Result
Laminate	Flammability	94V-0
Laminate	Solderability Limits	288°C/30 sec
Laminate	Relative Thermal Index	130°C
Board	Flammability	94V-0
Board	Max Operating Temp	130°C