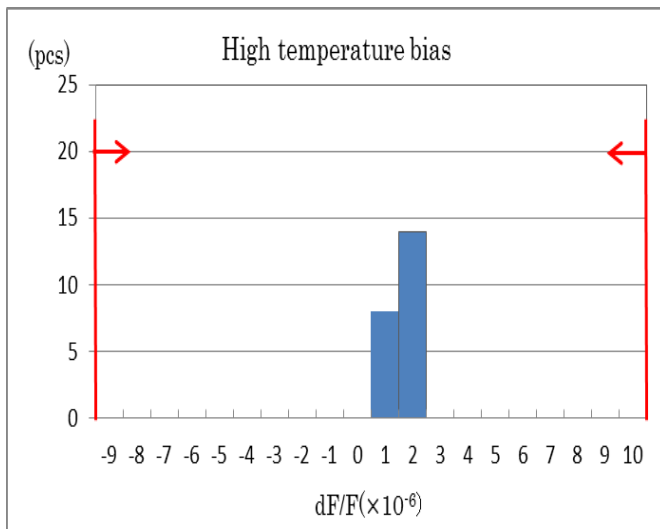


## Reliability test results

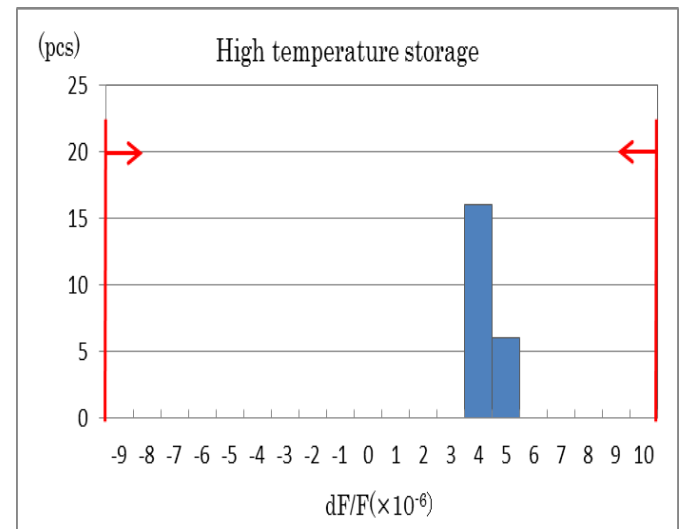
Product :SG-850 \* CA Series

No.	Item	Test condition	Criteria	N [ pcs]	Pn [pcs]
			dF/F [1 × 10 <sup>-6</sup> ]		
1	High temperature bias	+85 degC, Vcc:+3.465v,1000H	± 10.0	22	0
2	High temperature storage	+125 degC,1000H	± 10.0	22	0
3	Low temperature storage	-55 degC ,1000 H	± 10.0	22	0
4	High temp. humidity storage	+85 degC / 85%RH,1000H	± 10.0	22	0
5	Temperature cycle	-55 degC↔+ 125 degC 30 min at each temp. 100 cycles	± 10.0	22	0
6	Resistance to soldering heat	For conventional reflow soldering furnace (3 times) Ref. IPC/JEDEC J-STD-020D.1	± 10.0	22	0
7	Vibration	10 Hz to 85 Hz amplitude 1.5 mm 85 Hz to 2 000 Hz acceleration 20G 10 Hz to 2 000 Hz to 10 Hz / 20 min./cycle 12 h ( 4 h × 3 directions )	± 5.0	11	0
8	Shock	1000 G 1/2 sine wave 3 shocks in X,Y,Z (Total of 9 shocks).	± 5.0	11	0

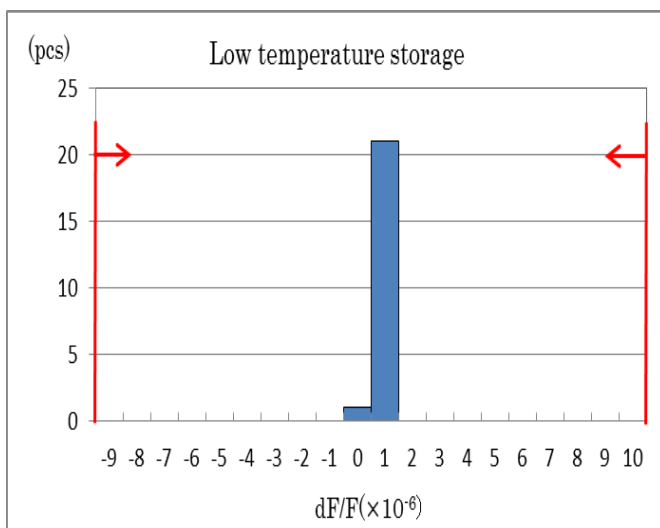
1. High temperature bias  
+85 degC, Vcc:+3.465v,1000H



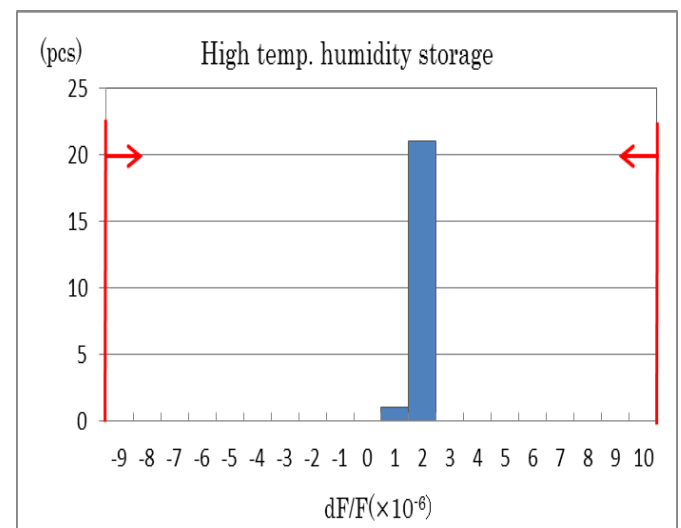
2. High temperature storage  
+125 degC,1000H



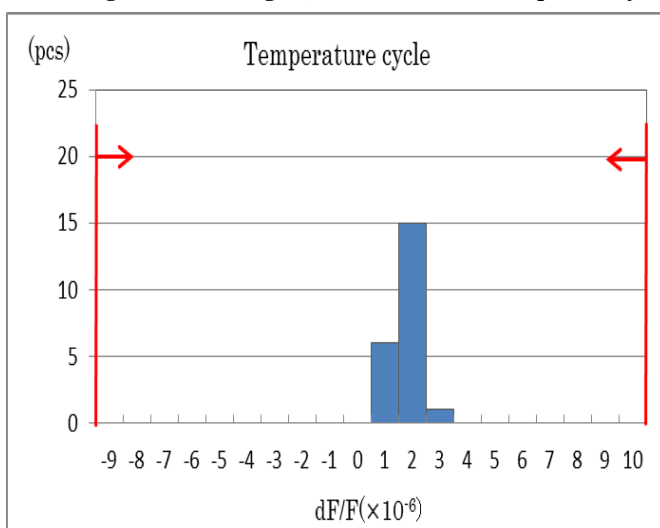
3. Low temperature storage  
-55 degC,1000H



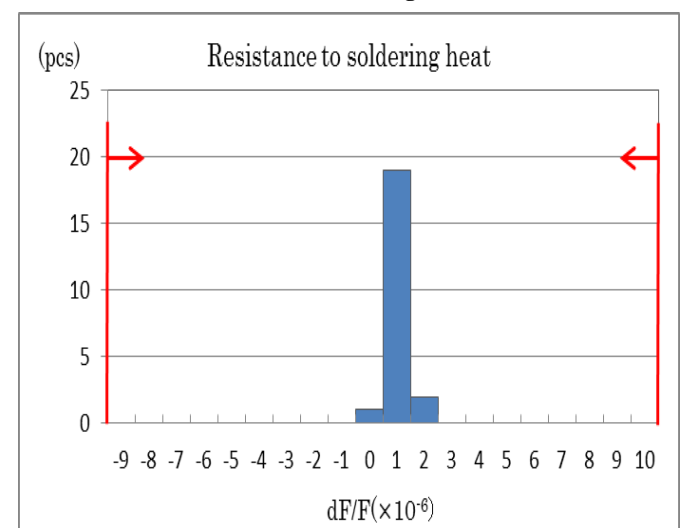
4. High temp. humidity storage  
+85 degC/85%RH,1000H



5. Temperature cycle  
-55 degC⇔+125 degC ,30 min at each temp. 100 cycles

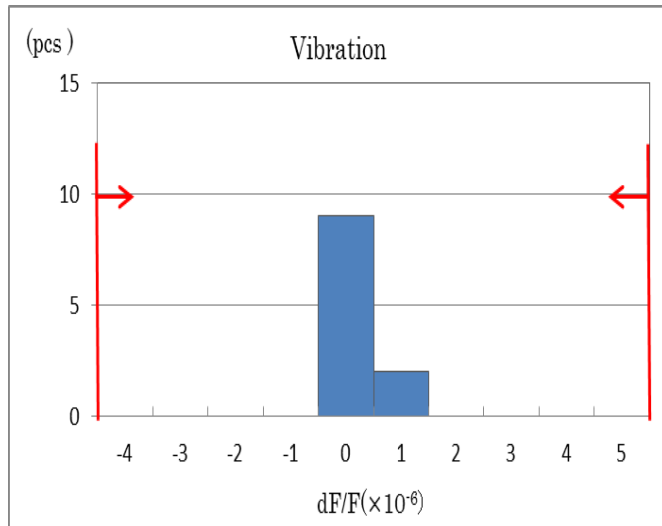


6. Resistance to soldering heat  
For convention reflow soldering furnace (3 times)



7. Vibration

10 Hz to 85 Hz amplitude 1.5 mm  
 85 Hz to 2000 Hz acceleration 20G  
 10 Hz to 2 000 Hz to 10 Hz / 20 min./cycle  
 12 h ( 4 h × 3 directions )



8. Shock

1000G  
 1/2 sine wave 3 shocks in X,Y,Z  
 (Total of 9 shocks).

