







5.3.2 Shelf Life The minimum calculated shelf life is 12 months from bag seal date or indicated on barcode. If the actual shelf life has exceeded 12 months from the bag seal date and the humidity indicator card (HIC) (see 5.5.1) indicates that baking is not required; then





Table 5-1 Moisture Classification Level (MSL) and Floor Life per J-STD-020

MSL	Floor Life (out of bag) is Unlimited
1	Unlimited
2	1 year
2a	4 weeks
2b	168 hours
3	72 hours
4	48 hours
5	24 hours
5a	24 hours
6	Mandatory bake before use. After bake, must be reflowed within 4 hours.



Table 4-1 Reference Conditions for Drying Mounted or Unmounted SMD Packages
(User Bake: Floor life begins counting at time = 0 after bake)

Package Body	Level	Bake @ 125 °C + 10/-0 °C ≤ 5% RH		Bake @ 90 °C + 8/-0 °C ≤ 5% RH		Bake @ 40 °C + 5/-0 °C ≤ 5% RH	
		Exceeding Floor Life by > 72 h	Exceeding Floor Life by < 72 h	Exceeding Floor Life by > 72 h	Exceeding Floor Life by < 72 h	Exceeding Floor Life by > 72 h	Exceeding Floor Life by < 72 h
Thickness < 0.5 mm	2	Not Required (see Note 4)	Not Required (see Note 4)	Not Required (see Note 4)	Not Required (see Note 4)	Not Required (see Note 4)	Not Required (see Note 4)
	2a	1 hour	1 hour	2 hours	1 hour	12 hours	8 hours
	2b	1 hour	1 hour	2 hours	1 hour	12 hours	8 hours
Thickness 0.5 mm 0.8 mm	2	Not Required (see Note 4)	Not Required (see Note 4)	Not Required (see Note 4)	Not Required (see Note 4)	Not Required (see Note 4)	Not Required (see Note 4)
	2a	4 hours	3 hours	15 hours	13 hours	4 days	3 days
	2b	4 hours	8 hours	15 hours	13 hours	4 days	8 days
Thickness > 0.8 mm ≤ 1.4 mm (see Note 5)	2	Not Required (see Note 4)	Not Required (see Note 4)	Not Required (see Note 4)	Not Required (see Note 4)	Not Required (see Note 4)	Not Required (see Note 4)
	2a	8 hours	8 hours	25 hours	20 hours	8 days	8 days
	2b	8 hours	8 hours	25 hours	20 hours	8 days	8 days
Thickness ≤ 1.4 mm ≤ 2.0 mm	2	Not Required (see Note 4)	Not Required (see Note 4)	Not Required (see Note 4)	Not Required (see Note 4)	Not Required (see Note 4)	Not Required (see Note 4)
	2a	10 hours	6 hours	28 hours	20 hours	11 days	11 days
	2b	11 hours	6 hours	30 hours	20 hours	12 days	12 days
Thickness ≤ 2.0 mm (see Note 5)	2	Not Required (see Note 4)	Not Required (see Note 4)	Not Required (see Note 4)	Not Required (see Note 4)	Not Required (see Note 4)	Not Required (see Note 4)
	2a	16 hours	48 hours	10 days	10 days	79 days	67 days
	2b	16 hours	48 hours	10 days	10 days	79 days	67 days
Exception for BGA packages (7 min X 10 min Y)	2	96 hours	As above per package	As above per package	As above per package	As above per package	As above per package
	2a	96 hours	As above per package	As above per package	As above per package	As above per package	As above per package
	2b	96 hours	As above per package	As above per package	As above per package	As above per package	As above per package



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