

RALEC	LR		IE-SP-060
			2020/08/20
			1

IE

QA

DATA Center.

Series No. 60

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			2

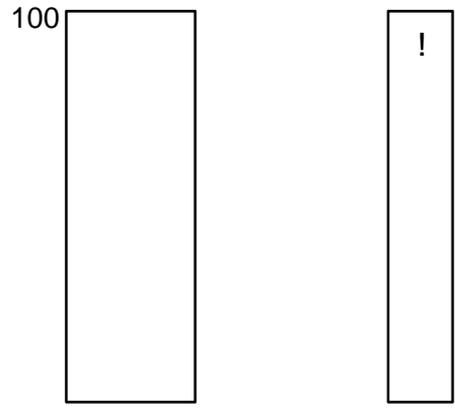
T.C.R.
(ppm/ 1 Tf0 Tr3.994 0 TD()TJC 109.56 7C 1093391.42a.8

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3.1

- 55 ~ +170 W
70



3.2

(rms)

$$I = \sqrt{P/R}$$

I = (A)
P = (W)
R = Resistance ()

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		(m)	- (mm)				
			L	W	H	T1	T2
4527S (without heat sink)	2.0	0.5	0.450±0.010 (11.430±0.254)	0.270±0.010 (6.850±0.254)	0.055±0.010 (1.400±0.254)	0.136±0.010 (3.465±0.254)	0.038±0.010 (0.965±0.254)
		0.6 ~ 3.0				0.127±0.010 (3.215±0.254)	
		4.0 ~ 5.0				0.071±0.010 (1.815±0.254)	
		5.1 ~ 200				0.136±0.010 (3.465±0.254)	
	3.0	0.5				0.127±0.010 (3.215±0.254)	
		0.6 ~ 3.0				0.071±0.010 (1.815±0.254)	
		4.0 ~ 5.0				0.136±0.010 (3.465±0.254)	
		5.1 ~ 27				0.127±0.010 (3.215±0.254)	
	5.0	0.5				0.071±0.010 (1.815±0.254)	
		0.6 ~ 3.0				0.136±0.010 (3.465±0.254)	
		4.0 ~ 5.0				0.127±0.010 (3.215±0.254)	
		5.1 ~ 7.5				0.071±0.010 (1.815±0.254)	
4527	5.0	0.5	0.450±0.010 (11.430±0.254)	0.270±0.010 (6.850±0.254)	0.059±0.010 (1.500±0.254)	0.136±0.010 (3.465±0.254)	0.038±0.010 (0.965±0.254)
		0.6 ~ 3.0				0.127±0.010 (3.215±0.254)	
		4.0 ~ 5.0				0.127±0.010 (3.215±0.254)	
		5.1 ~ 200				0.071±0.010 (1.815±0.254)	

4.1

	Watts		
1206	0.5		€4.0m
	1.0		€4.0m
	1.5		€4.0m
1210	1.5		€4.0m
2010	1.0		€4.0m
	1.5		€4.0m
	2.0		€4.0m
2512	1.0		€3.5m
	1.5		• 3.5m
	2.0		• 3.5m
	3.0		€2.5m
2725	4.0		€0.5m
	5.0		€0.5m
2728	3.0		All
	3.5		All
	4.0		All
4527	2.0		€3.0m
	3.0		• 4.0m
	5.0		• 4.0m

0.5 0.64 80608.04 190.8

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5 :
5.1 (Electrical Performance Test)

Test Item	Conditions of Test	Test Limits
Temperature Coefficient of Resistance	TCR (ppm/ W) = ----- X 10 ⁶ () R2: 150 °C () T1: () T2: 150 °C JIS C 5201-1 4.8 5 30	3.

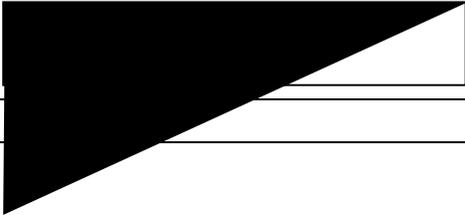
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Short Time Overload

1206	0.5	5
	1.0	
	1.5	
1210	1.5	5
2010	1.0	5
	1.5	
	2.0	
2512	1.0	5
	1.5	
	2.0	
	3.0	
2725	4.0	5
	5.0	5
2728	3.0	5
	3.5	
	4.0	
4527S	2.0	5
	3.0	
	5.0	
4527	5.0	

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6 ÷ ø Ä ç d :

6.1 b Ô v, 0 • • Ä ç ú

a. 0 "R" ÷ p ç ' » § ú O ü

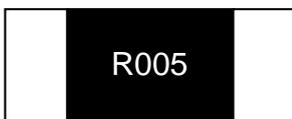
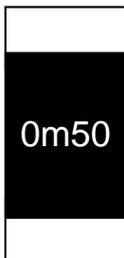
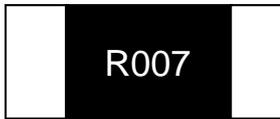
O o õ 5m b ÷ ø, R005

O o õ 25m b ÷ ø, R025

O o õ 100m b ÷ ø, R100

b. 0 "m" ÷ p ç m ' » § ú O ü

O o õ 5.5m b ÷ ø, 5m 50 Ä ç d



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6.6 2725 Series: (4)



0m25

→ Ex. Resistance 0.25m (or 0.25m only)



2m50

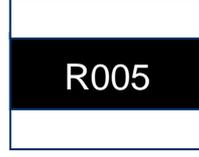
→ Ex. Resistance 2.5m (for 1.5m and 2.5m only)



R003

→ Ex. Resistance 3m (for 1m ã 2m and 3m only)

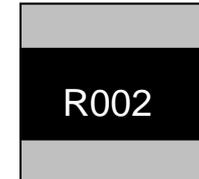
6.7 2728 Series: (4)



R005

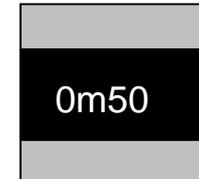
→ Ex. Resistance 5m (for all LR2728 products)

6.8 4527 Series: (4)



R002

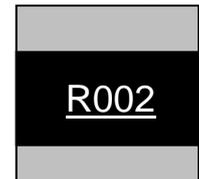
→ Ex: Resistance 2m .



0m50

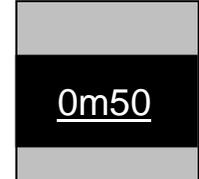
→ Ex: Resistance 0.5m .

6.9 4527S Series: (4)



R002

→ Ex: Resistance 2m .



0m50

→ Ex: Resistance 0.5m .

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9 :
9.1 :

: mm

DIM Item	A	B	W	E	F	T1	T2	P	P0	10*P0	P1
1206 (0.5~0.6m)	3.50±0.10	1.90±0.10	8.0±0.15	1.75±0.10	3.5±0.10	1.27±0.10	0.23±0.10	4.0±0.10	4.0±0.10	40.0±0.20	2.0±0.10
1206 (1.0m)	3.48±0.10	1.83±0.10	8.0±0.15	1.75±0.10	3.5±0.10	1.10±0.10	0.20±0.05	4.0±0.10	4.0±0.10	40.0±0.20	2.0±0.10
1210	3.5.48	.001	Tc0	Tw[12]-52.7(1.83±0.10)-7.5()	-158(895(236.8	.4.5()	-158.22	33.5±0.12-7.5(1.10±0.10-7.5()	278.3	

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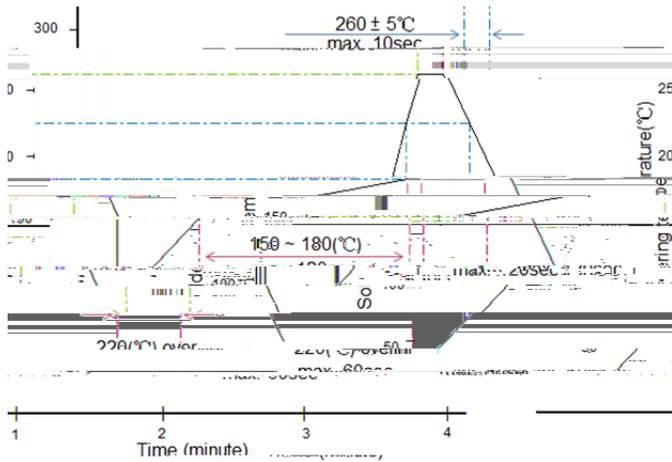
10 ()

10.1

10.1.1

245 °C/3

10.1.2



Time (Sec)

IR Reflow Soldering Profile
J-STD-020D

double-wave Soldering Profile

10.1.3

350 ±10

3

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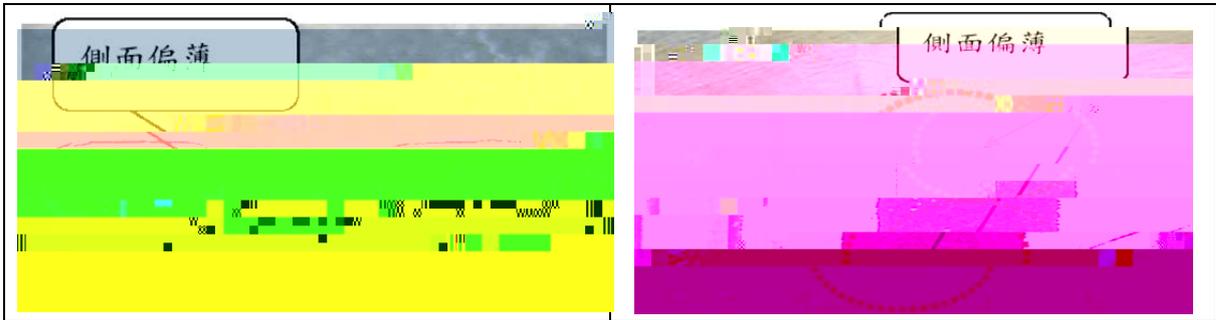
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10.3

10.3.1

()



10.3.2 Wave Solder

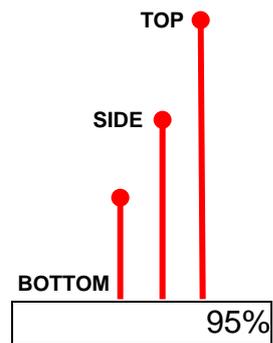
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10.4



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10.6

10.7

:

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()

- (a)
- (b)
- (c)
- (d)
- (e)

:Cl2 H2S NH3 SO2 NO2

10.8

:

10.9

:

- (a)
- (b)

PCB

ê

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		Series No. 60

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