

**1. Scope :**

This specification applies to silicon resistor chips,  
Device No. CR-0012.

**2. Structure :**

- 2-1. Silicon substrate .
- 2-2. Electrodes :  
 Top side : (Negative) Aluminum alloy .  
 Back side : ( Positive ) Gold alloy.

**3. Size :**

- 3-1. Chip size : 13 mils × 11 mils (0.330mm × 0.279 mm ).
- 3-2. Chip thickness : 8.6 ± 1 mils (0.220mm ± 0.025 mm ).
- 3-3. Bonding pad : 6 mils × 5 mils (0.152 mm × 0.127 mm ).
- 3-4. Pattern drawing : Refer to the attached drawing.

**4. Electrical characteristics (Ta = 25 °C)**

RESISTOR(Ω)	APPLY CURRENT(mA)	RESISTOR(Ω)			UNIT
		MIN	TYP	MAX	
100	20 mA	90	100	110	ohm
200	20 mA	180	200	220	ohm
240	20 mA	215	240	265	ohm
480	20 mA	432	480	528	ohm
600	10 mA	540	600	660	ohm
700	10 mA	630	700	770	ohm
800	10 mA	720	800	880	ohm
1000	10 mA	900	1000	1100	ohm
1200	10 mA	1080	1200	1320	ohm
1400	5 mA	1260	1400	1540	ohm
1600	5 mA	1440	1600	1760	ohm
1900	5 mA	1710	1900	2090	ohm
4000	5 mA	3600	4000	4400	ohm
4300	5 mA	3870	4300	4730	ohm
4600	5 mA	4140	4600	5060	ohm

