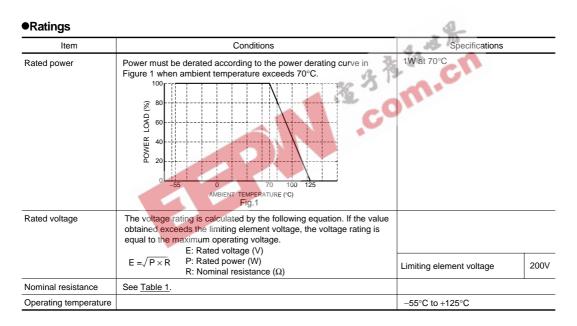
Thick film rectangular

MCR100 (2512 size : 1W)

Features

- 1) Made of same material as the general purpose chip resistors (MCR10 / 18).
- 2) Highly reliable chip resistor
- Ruthenium oxide dielectric offers superior resistance to the elements.
- 3) Electrodes not corroded by soldering Suitable for re-flow soldering.
- ROHM resistors have approved ISO-9001 certification. Design and specifications are subject to change without notice. Carefully check the specification sheet supplied with the product before using or ordering it.



Jumper type		Table 1			
Resistance	Max. 50mΩ	Resistance tolerance	Resistance range (Ω)		Resistance temperature coefficient (ppm / °C)
Rated current	4A	F (±1%)	10≤R≤82k	(E24,96)	±100
Operating temperature	-55°C to+125°C	5°C to+125°C J (±5%)		(E24)	500±350
			2.2≤R<9.1	(E24)	±500
			10≤R<22	(E24)	±350
			24≤R≤100k	(E24)	±200

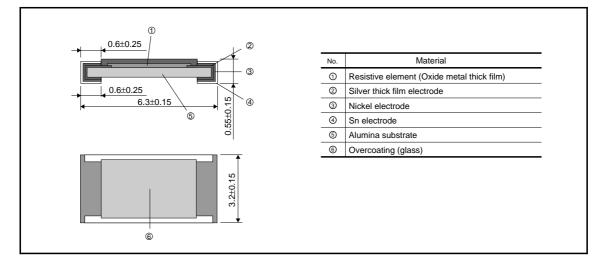
•Before using components in circuits where they will be exposed to transients such as pulse loads (short-duration, high-level loads), be certain to evaluate the component in the mounted state. In addition, the reliability and performance of this component cannot be guaranteed if it is used with a steady state voltage that is greater than its rated voltage.



Characteristics

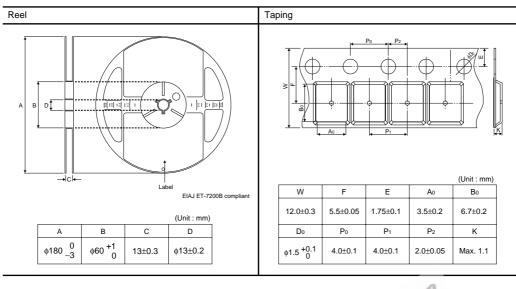
ltem	Guarante	eed value	Test conditions (JIS C 5201-1)	
nem	Resistor type Jumper type		Test conditions (313 C 3201-1)	
Resistance	J : ±5% F : ±1%	Max. 50mΩ	JIS C 5201-1 4.5	
Variation of resistance with temperature	See T	able.1	JIS C 5201-1 4.8 Measurement : -55 / +25 / +125°C	
Overload	± (2.0%+0.1Ω)	Max. 50mΩ	JIS C 5201-1 4.13 Rated voltage (current) ×2.5, 2s. Maximum Overload Voltage : 400V	
Solderability		ating of minimum of e being immersed damage.	JIS C 5201-1 4.17 Rosin Ethanol (25%WT) Soldering condition : 235±5°C Duration of immersion : 2.0±0.5s.	
Resistance to soldering heat	± (1.0%+0.05Ω) No remarkable abnorm	Max. 50m Ω ality on the appearance.	JIS C 5201-1 4.18 Soldering condition : 260±5°C Duration of immersion : 10±1s.	
Rapid change of temperature	± (1.0%+0.05Ω) Max. 50mΩ		JIS C 5201-1 4.19 Test temp. : -55°C to +125°C 5cyc	
Damp heat, steady state	± (3.0%+0.1Ω)	Max. 100mΩ	JIS C 5201-1 4.24 40°C, 93%RH Test time : 1,000h to 1,048h	
Endurance at 70°C	e at 70°C ± (3.0%+0.1Ω) Max. 100mΩ		JIS C 5201-1 4.25.1 Rated voltage (current), 70°C 1.5h : ON – 0.5h : OFF Test time : 1,000h to 1,048h	
Endurance	± (3.0%+0.1Ω)	Max. 100mΩ	JIS C 5201-1 4.25.3 125°C Test time : 1,000h to 1,048h	
Resistance to solvent	± (1.0%+0.05Ω)	Max. 50mΩ	JIS C 5201-1 4.29 23±5°C, Immersion cleaning, 5±0.5min. Solvent : 2-propanol	
Bend strength of the end face plating	± (1.0%+0.05Ω) Without mechanical da	Max. 50m Ω amage such as breaks.	JIS C 5201-1 4.33	

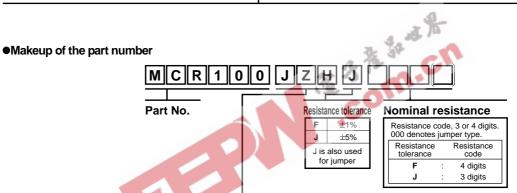
•External dimensions (Unit : mm)



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Packaging

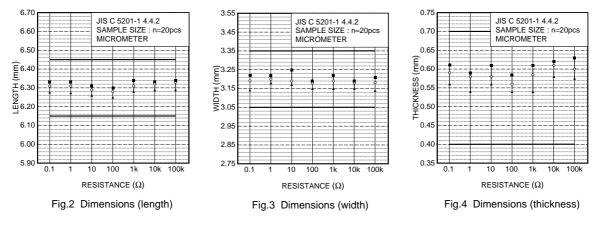




Packaging Specifications Code											
	Part No.	Part No. Code		F(±1%)	Packaging specifications	Reel	Basic ordering unit (pcs)				
	MCR100	JZH	0	0	Embossed tape (4mm Pitch)	φ180mm (7in.)	4,000				

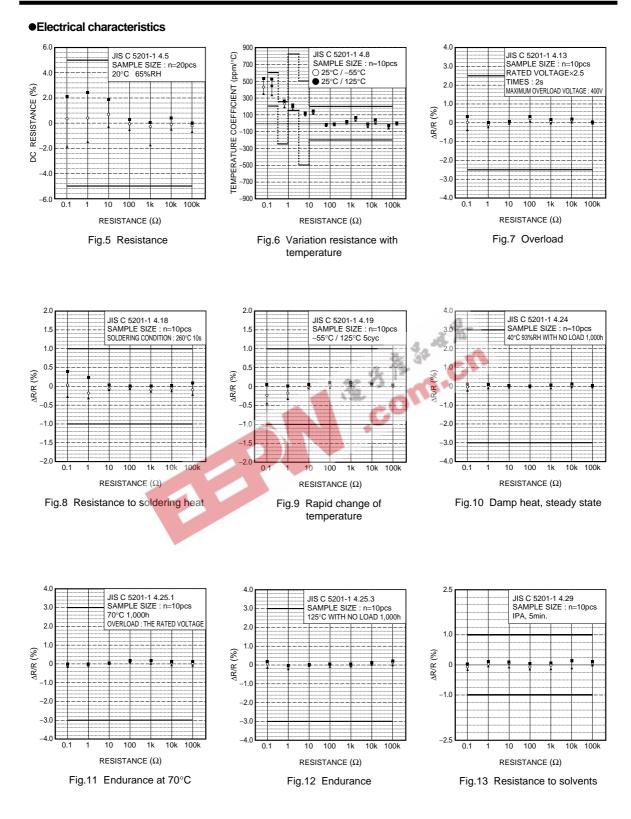
Reel (\u00f6180) : JEITA ET-7200B

Dimensions



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3/5



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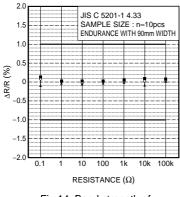


Fig.14 Bend strength of the end face plating





Notes

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