

Thick Film Chip Resistor

01005 1/32W

CRE5 Series

MERITEK

FEATURE

- Excellent Mechanical Strength and Electrical Stability
- Ideal for Pick and Place Machinery
- Stable High Frequency Characteristics
- Miniature, High Board Density
- Applications: Entertainment, Communication Equipment, Measuring Instrument

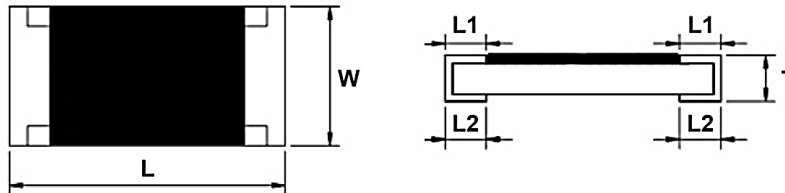


ELECTRICAL CHARACTERISTICS

Type	Rated Power at 70°C	Max. Working Voltage	Max. Overload Voltage	TCR (ppm/°C)	Resistance Range		Jumper Rated Current	Jumper Resistance
					F (±1%)	J (±5%)		
CRE5 (01005)	1/32W	15V	30V	-200~+600	4.7Ω ~ 9.76Ω	4.7Ω ~ 9.1Ω	0.8A	50mΩ Max
				±300	10Ω ~ 91Ω			
				±200	100Ω ~ 1MΩ			

Note: Operating Temperature Range: -55°C ~ +125°C

DIMENSIONS

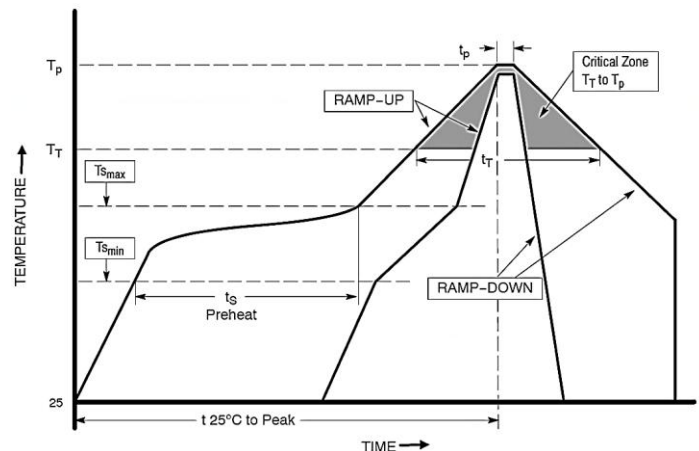


Unit: mm

Type	Size	L	W	T	L1	L2
CRE5	01005	0.40 ± 0.02	0.20 ± 0.02	0.13 ± 0.02	0.08 ± 0.03	0.10 ± 0.03

RECOMMENDED SOLDERING PROFILES

Reflow Condition		
Pre Heat	Temp. Min $T_{s(min)}$	150°C
	Temp. Max $T_{s(max)}$	200°C
	Time (min. to max.) (t_s)	60~120 seconds
Average ramp up rate (T_L) to peak		3°C/second max.
$T_{s(max)}$ to T_L (Ramp-up rate)		3°C/second max.
Reflow	Temp. (T_L)	217°C
	Time (min. to max.) (t_L)	60~150 seconds
Peak Temperature (T_p)		260°C
Time within 5°C of actual peak Temperature (t_p)		10 seconds max.
Ramp-down Rate		6°C/second max.



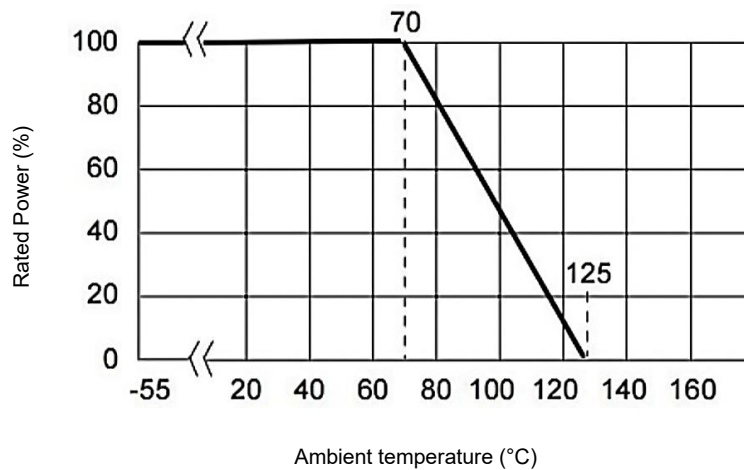
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POWER DERATING CURVE



PART NUMBERING SYSTEM

CR E5 73R2 F
(1) (2) (3) (4)

No	Item	Code	Description	
(1)	Product Code	CR	Thick Film Type Chip Resistor	
(2)	Size Code	E5	E5: 01005	01: 2512, 02: 2010, 03: 1812, 04: 1210, 08: 1206, 16: 0603, 20: 0402, 25: 0201
(3)	Resistance	73R2	73R2: 73.2Ω	E96 Series: 2491: 2490Ω, 000: Jumper
(4)	Tolerance	F	F: ±1%	J: ±5%

*Specifications subject to change without notice.