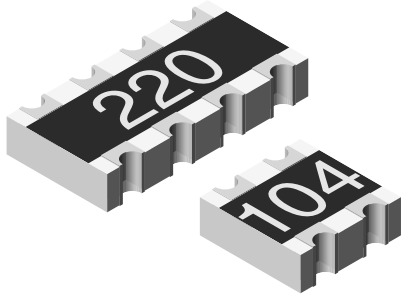


## Thick Film Resistor Array



### FEATURES

- Concave terminal array with square corners
- 8 terminal package with isolated resistors
- Single component reduces board space and component counts
- Automatic placement capability
- Wave and solder paste reflow compatible
- Thick film resistance element
- Solderable wrap around termination
- Nickel barrier for inner electrode protection
- Standard E-24 ( $\pm 2\%$  and  $5\%$ ) and E-96 ( $\pm 1\%$ ) resistance values
- Operating temperature range of  $-55^{\circ}\text{C}$  to  $+150^{\circ}\text{C}$
- Consult factory for additional schematics, values, etc

### STANDARD ELECTRICAL SPECIFICATIONS

MODEL	POWER RATING $P_{70^{\circ}\text{C}}$ W	CIRCUIT	LIMITING ELEMENT VOLTAGE MAX. $V_{\cong}$	TEMPERATURE COEFFICIENT ppm/ $^{\circ}\text{C}$	TOLERANCE %	RESISTANCE RANGE $\Omega$	E-SERIES
CRA06P	0.0625	03	50	200	2, 5	10R-1M0	24
Jumper: Zero-Ohm-Resistor on Request				100	1	10R-1M0	24-96

- Power rating depends on the max. temperature at the solder point, the component placement density and the substrate material
- Operating temperature Range:  $-55^{\circ}\text{C}$  to  $+150^{\circ}\text{C}$
- Maximum Working Voltage: 50 volts. Rated continuous working voltage (RCWV) shall be determined from  $\text{RCWV} = \text{square root of Rated Power, Resistance Value or 50 volts whichever is less.}$
- Ask about extended value ranges
- Packaging: according to EIA 481

### TECHNICAL SPECIFICATIONS

PARAMETER	UNIT	CRA06P 03 CIRCUIT
Rated Dissipation at $70^{\circ}\text{C}$	W	0.0625
Limiting Element Voltage <sup>1)</sup>	$V_{\cong}$	50
Insulation Voltage (1min)	$V_{\text{dc/ac peak}}$	100
Category Temperature Range	$^{\circ}\text{C}$	$-55 / +150$
Insulation Resistance	$\Omega$	$> 10^{10}$

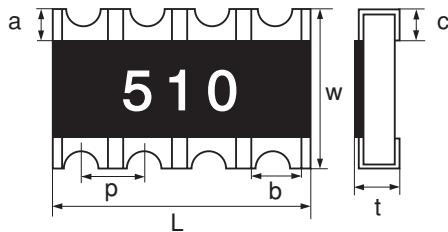
<sup>1)</sup>Rated voltage:  $\sqrt{P \times R}$

### ORDERING INFORMATION

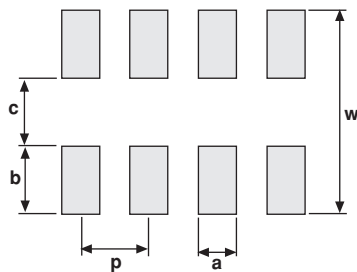
CRA06P MODEL	08 TERMINAL COUNT	03 CIRCUIT TYPE	105 RESISTANCE VALUE	J TOLERANCE	RT1 PACKAGING
	08	03 Isolated only.	First 2 digits are significant figures, the last digit is the multiplier.	J = $\pm 5\%$ G = $\pm 2\%$ F = $\pm 1\%$ Z = $0\Omega$ Jumper	Paper tape. 5000 piece reels.

**DIMENSIONS** in inches [millimeters]

4-Resistor Device



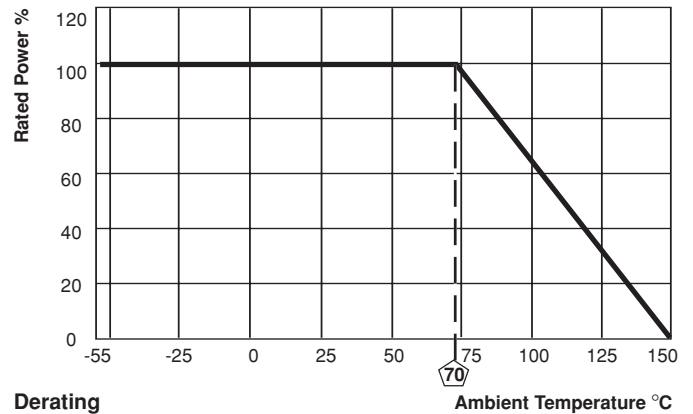
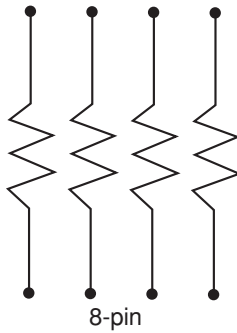
8 PIN	DIMENSIONS						
	L	A	B	C	P	T	W
mm	3.20	0.30	0.40	0.40	0.80	0.60	1.6
Tol	± 0.20	± 0.20	± 0.15	± 0.20	-	± 0.10	± 0.15



SOLDER PAD DIMENSIONS [in millimeters]					
	c	w	p	a	b
WAVE	0.8	2.6	0.8	0.4	0.9

**CIRCUIT SCHEMATICS**

03 Circuit CRA06P



PERFORMANCE		
TEST	CONDITIONS OF TEST	TEST RESULTS
Endurance Test at 70°C per EIA 575-3.14	1000 hours at 70°C, 1.5 hours "ON", 0.5 hours "OFF"	± 1.0%
Overload per EIA 575-3.6	Short time overload	± 0.5%
Thermal Shock	per EIA 575-3.5	± 0.5%
Moisture Resistance	per EIA 575-3.10	± 1.0%
Resistance to Soldering Heat EIA 575 3.8	10 seconds at 260°C solder bath temperature	± 1.0%
High Temperature Exposure	per EIA 575-3.7	± 1.0%
Low Temperature Operation	per EIA-/ IS-30A-3.6	± 0.5%
Solderability & Leaching	EIA 575-3.12	95% Coverage