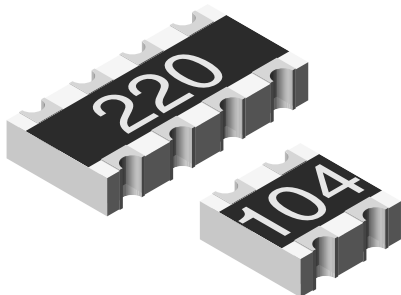


Thick Film Resistor Array



FEATURES

- 8 terminal package with 4 isolated resistors.
- Automatic placement capability.
- Flow solderable.
- Inner electrode protection.
- Thick film resistance element.
- Wrap around termination.
- Standard E-24 Resistance values.
- Operating temperature range of - 55°C to + 125°C.

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	POWER RATING $P_{70^{\circ}\text{C}}$ W	CIRCUIT	LIMITING ELEMENT VOLTAGE MAX. V_{\cong}	TEMPERATURE COEFFICIENT ppm/°C	TOLERANCE %	RESISTANCE RANGE Ω	E-SERIES
CRA06P	0.0625	03	50	200	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°C to + 150°C
- Maximum Working Voltage: 50 volts. Rated continuous working voltage (RCWV) shall be determined from $RCWV = \text{square root of Rated Power, Resistance Value or 50 volts whichever is less.}$
- Ask about extended value ranges
- Packaging: according to EIA 481

TECHNICAL SPECIFICATIONS

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

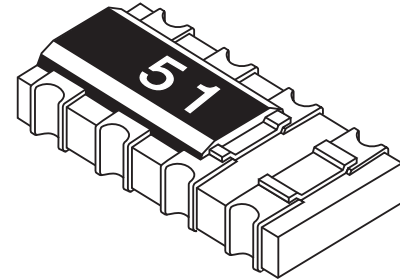
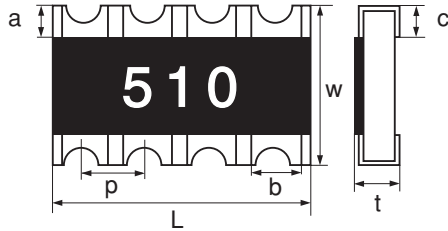
¹⁾Rated voltage: $\sqrt{P \times R}$

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 = ± 5% F = ± 1% Z = 0Ω Jumper	Paper tape. 5000 piece reels.

DIMENSIONS in inches [millimeters]

4-Resistor Device

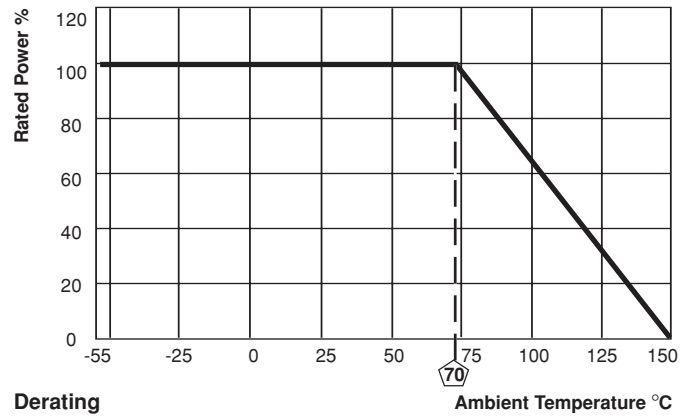
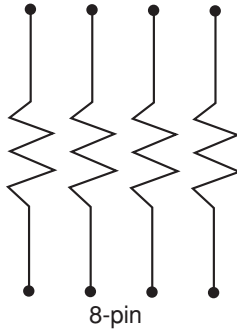


8 PIN	DIMENSIONS						
	L	A	B	B*	P	T	W
mm	3.20	0.30	0.40	0.40	0.80	0.60	1.6
Tol	± 0.20	± 0.20	± 0.15	± 0.20	-	± 0.10	± 0.15

S-Version: A₁ = 0.61 ± 0.15

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