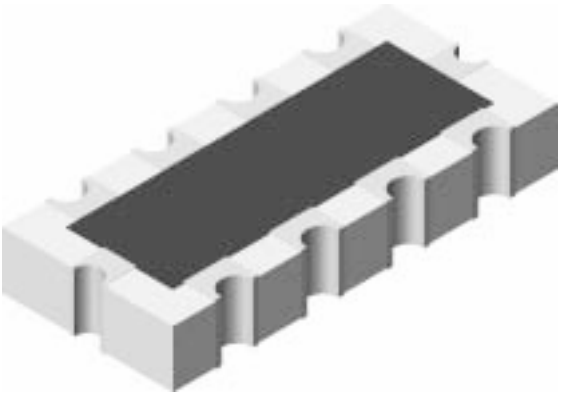
Thick Film, Resistor Array



FEATURES

- 10 terminal package, 8 bussed resistors, dual common on ends
- Automatic placement capability
- Flow solderable
- Inner electrode protection
- Thick film resistance element
- Wrap around termination
- Standard E-24 (± 2% and ± 5%) and E-96 (± 1%)
- Operating temperature range of - 55°C to + 150°C

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	POWER RATING $P_{70°C}$ W	CIRCUIT	LIMITING ELEMENT VOLTAGE MAX. V P	TEMPERATURE COEFFICIENT ppm/°C	TOLERANCE %	RESISTANCE RANGE Ω	E-SERIES
CRA08C	0.0625	02	50	200	1, 2 , 5	10R-1M0	24-96

TECHNICAL SPECIFICATIONS

PARAMETER	UNIT	CRA08C 02 CIRCUIT
Rated Dissipation at 70°C	W	0.0625
Limiting Element Voltage [1]	V P	50
Insulation Voltage (1min)	$V_{dc/ac\ peak}$	100
Category Temperature Range	°C	- 55 / + 125°C
Insulation Resistance	Ω	> 10^{10}

[1] Rated voltage: $\sqrt{PxR}$

ORDERING INFORMATION

CRA08C	10	02	473	J	RT1
MODEL	TERMINAL COUNT	CIRCUIT TYPE	R-VALUE Ω	TOLERANCE ± %	PACKAGING
	10	02	First two digits (three for 1%) are significant. Last digit is the multiplier	F = ± 1% G = ± 2% J = ± 5%	Papertape 5000pcs

For Technical Questions, contact: ff2aresistors@vishay.com

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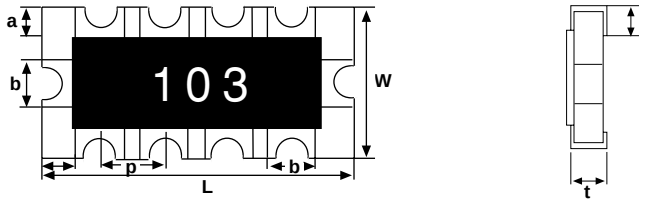
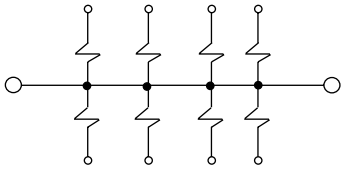
DIMENSIONS in millimeters

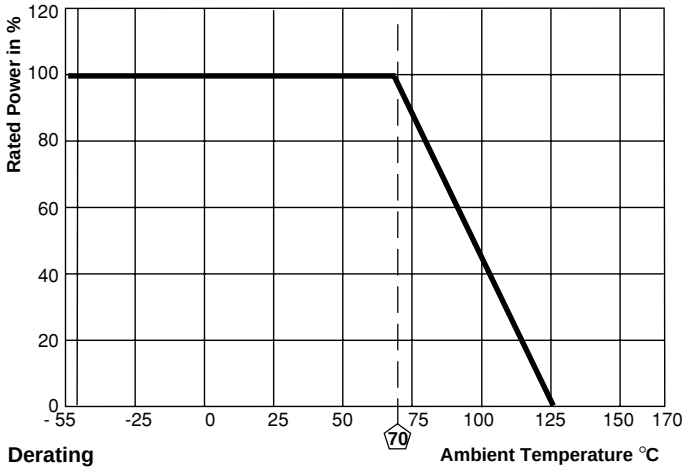


8 Terminal package shown

MODEL	L	W	t	a	b	c	d	p
CRA08C	4.0 ± 0.2	2.1 ± 0.2	0.6 ± 0.1	0.25 ± 0.2	0.5 ± 0.2	0.4 ± 0.2	0.3 ± 0.2	[0.80]

02 SCHEMATIC





PERFORMANCE

TEST	CONDITIONS OF TEST	TEST RESULTS
Endurance Test at 70°C per EIA 575	1000 hour at 70°C, 1.5 hours "ON", 0.5 hours "OFF"	± 3.0%
Overload per EIA 575	Short time overload	± 2.0% ΔR
Thermal Shock	per EIA 575-3.5	± 1.0% ΔR
Moisture Resistance	per EIA 575-3.10	± 3.0% ΔR
Resistance to Soldering Heat EIA 575	10 seconds at 260°C solder bath temperature	± 2.0%
High Temperature Exposure	per EIA 575-3.7	± 3.0% ΔR
Low Temperature Operations	per EIA-575-3.6	± 1.0% ΔR
Solderability & Leaching	EIA 575-3.12	95% Coverage
Termination Adhesion	EIA-575	0.5Kg