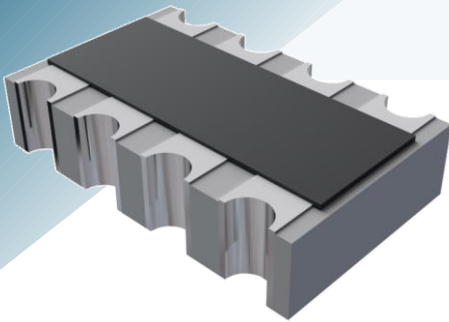


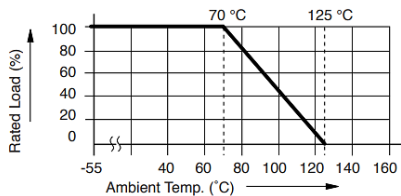
HRRACV Hi-Reliability Chip Resistor Arrays



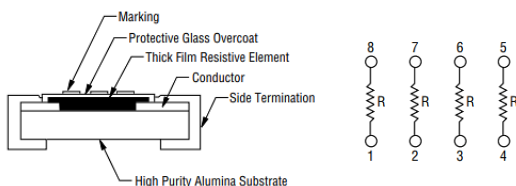
Electrical Characteristics

Part Number	HRRACV1206-XXXJ1XX
Number of Resistors/Elements	4
Power Rating @ 70°C per Resistor	63 mW
Resistance Tolerance	1%, 5%
Resistor Range and & TCR Plus zero-ohm jumper	1%, 10 Ω ~ 1 MΩ, 200 ppm/°C 5%, 10 Ω ~ 1 MΩ, 200 ppm/°C
Maximum Overload Voltage	100 V
Maximum Working Voltage	50 V
Operating Temperature Range	-55 °C to +125 °C
Rating Temperature	+70 °C
Zero Ohm Jumper Current Rating / Max. Resistance (per resistor/element)	1 A / 2.5 A / 50 mΩ max.

Derating Curve



Construction & Isolated Circuit



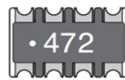
FEATURES

- Concave termination style
- Four isolated resistors
- 10 Ω to 1 MΩ and zero jumper
- Resistance tolerance: 1% and 5%
- Available with Sn, Sn/Pb, Au terminations
- MIL-PRF-55342 and Space Level screening available

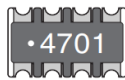
APPLICATIONS

- Aerospace
- Avionics
- Military
- Medical

Typical Part Marking



±5% (E24)
Three digits; first two digits are significant; third digit is number of zeros to follow.
EX: 472 = 4700 Ω = 4.7 KΩ



±1% (E96)
Four digits; first three digits are significant; fourth digit is number of zeros to follow.
EX: 4701 = 4700 Ω = 4.7 KΩ

Standard Screening Options

- Option 1: 100% visual inspection per MIL-PRF-55342, AS9102 FAIR, MIL-STD-1580 DPA.
- Option 2: 100% Group A and B Screening per MIL-PRF-55342, AS9102 FAIR, MIL-STD-1580 DPA (see AEM detail specification for more details).
- Option 3: 100% Group A, B, and C Screening per MIL-PRF-55342, AS9102 FAIR, MIL-STD-1580 DPA (see AEM detail specification for more details).
- Option 4: 100% Group A, B, and Qualification Screening per MIL-PRF-55342, AS9102 FAIR, MIL-STD-1580 DPA (see AEM detail specification for more details).
- Option 5: Customer Source Control Drawing (SCD) defined screening. AEM will customize screening based on customer requirements.

Ordering Information

HRRACV 1206 - 103 J 1 PB

HRRACV - High Reliability Chip Array
Concave Terminations

1206 - EIA Package Size

103 - Resistance Code

For 1% Tolerance: First three digits are significant; fourth digit represents number of zeros to follow (example: 8252 = 82.5 KΩ). "R" represents decimal point (example: 24R3 = 24.3 Ω)

For 5% Tolerance: First two digits are significant; third digit represents number of zeros to follow (example: 474 = 470 KΩ) - "R" represents decimal point (example: 4R7 = 4.7 Ω)
000 - Zero Ohm Jumper

J - Resistance Tolerance (F = 1%, J = 5%)

Screening Options: 1, 2, 3, 4, 5 (see screening options above)

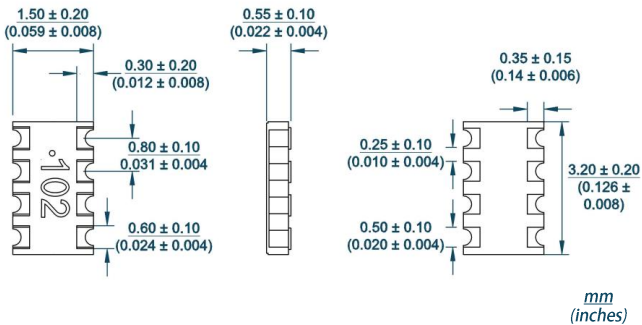
Termination Code: PB - Sn/Pb plated; SN - Sn plated; AU - Au plated

AEM, INC.'s HRRACV Hi-Reliability Chip Resistor Arrays

Electrical Characteristics

AEM PN	Package Size	Resistance Code	Resistance Value (Ohms)	Resistance Tolerance	Screening Options	Termination Code
HRRACV1206-00J	1206	000	0 (Zero-ohm jumper)	5%	X	XX
HRRACV1206-1000F	1206	1000	100	1%	X	XX
HRRACV1206-1001F	1206	1001	1K	1%	X	XX
HRRACV1206-1002F	1206	1002	10K	1%	X	XX
HRRACV1206-1003F	1206	1003	100K	1%	X	XX
HRRACV1206-100J	1206	100	10	5%	X	XX
HRRACV1206-101J	1206	101	100	5%	X	XX
HRRACV1206-102J	1206	102	1K	5%	X	XX
HRRACV1206-103J	1206	103	10K	5%	X	XX
HRRACV1206-104J	1206	104	100K	5%	X	XX
HRRACV1206-151J	1206	151	150	5%	X	XX
HRRACV1206-152J	1206	152	1.5K	5%	X	XX
HRRACV1206-182J	1206	182	1.8K	5%	X	XX
HRRACV1206-2002F	1206	2002	20K	1%	X	XX
HRRACV1206-203J	1206	203	20K	5%	X	XX
HRRACV1206-220J	1206	220	22	5%	X	XX
HRRACV1206-221J	1206	221	220	5%	X	XX
HRRACV1206-222J	1206	222	2.2K	5%	X	XX
HRRACV1206-223J	1206	223	22K	5%	X	XX
HRRACV1206-271J	1206	271	270	5%	X	XX
HRRACV1206-330J	1206	330	33	5%	X	XX
HRRACV1206-331J	1206	331	330	5%	X	XX
HRRACV1206-332J	1206	332	3.3K	5%	X	XX
HRRACV1206-391J	1206	391	390	5%	X	XX
HRRACV1206-470J	1206	470	47	5%	X	XX
HRRACV1206-471J	1206	471	470	5%	X	XX
HRRACV1206-471J	1206	472	4.7K	5%	X	XX
HRRACV1206-473J	1206	473	47K	5%	X	XX
HRRACV1206-560J	1206	560	56	5%	X	XX
HRRACV1206-751J	1206	751	750	5%	X	XX

Product Dimensions



Recommended Pad Layout

