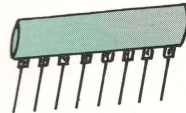


CERMET THICK FILM RESISTOR NETWORKS

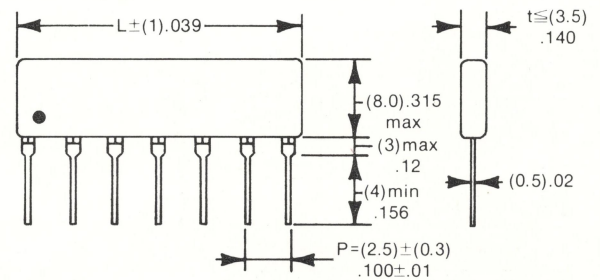
CRN - SIP SERIES

FEATURES:

- Cermet thick film resistor materials.
- Ceramic substrate and epoxy dip coating.
- Medium profile
- Standard IC pin spacing for easy PC board insertion.
- Off the shelf availability of popular values and pin styles.
- Economically priced



DIMENSION CHART



ELECTRICAL CHARACTERISTICS

1. Operating temperature range: - 55° to + 125° C
2. Resistance range: 10 ohm to 1 megohm
3. Resistance tolerance: $\pm 2\%$ (G), $\pm 5\%$ (J), $\pm 10\%$ (K).
4. Temperature coefficient: ± 250 PPM/° C.
5. Maximum continuous working voltage: 250V
6. Rated wattage: 0.125W (%) at 70° C.
7. Temperature cycling: $\pm (1.0\% + 0.05\Omega)$ MIL-STD-202, 102(D)
8. Short time overload: within $\pm (1.0\% + 0.05\Omega)$ MIL-R-10509F 4.6.6 (max. overload 400V)
9. Humidity: within $\pm (1.0\% + 0.05 \text{ ohm})$ after 1000 hours exposure to 40° C and 90-95% RH
10. Load life: within $\pm (1.0\% + 0.05 \text{ ohms})$, after 1000 $\pm$ 12 hours endurance of 1.5 hours ON and 0.5 hours OFF cycle at rated voltage.
11. Soldering effect: within $\pm (1.0\% + 0.05 \text{ ohm})$ MIL-STD-202, 210(A)

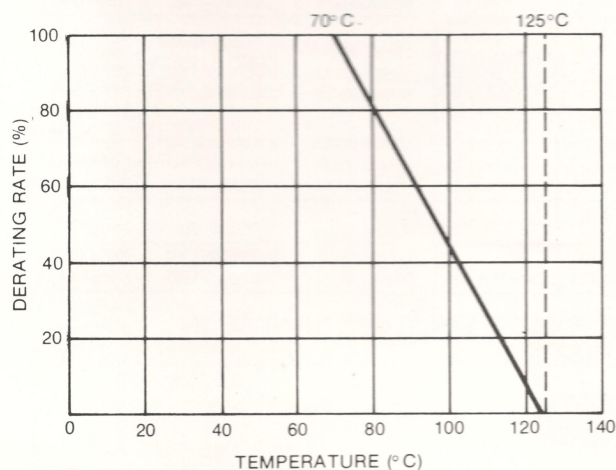
MECHANICAL CHARACTERISTICS

1. Lead Pull Test: Min. 1 Kg. for 10 seconds
2. Lead Bend Test: Min. 4 bends of 90° at 0.75 Kg.
3. Solderability Test: Min. 95% area coverage, MIL-STD-202, 208

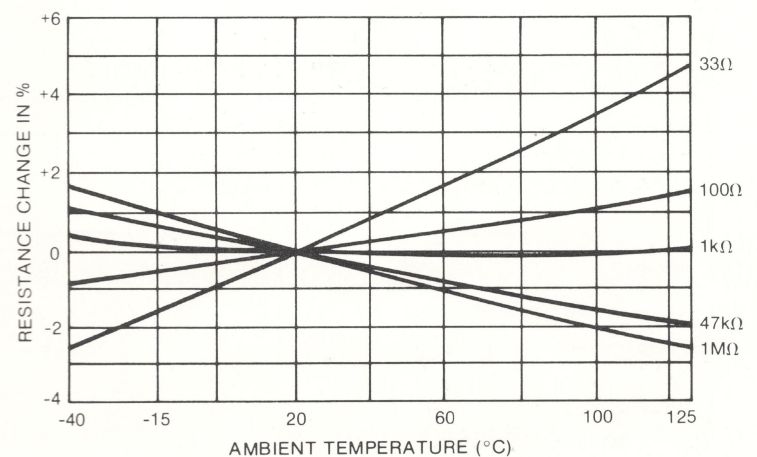
DIMENSION: (MM) AND INCHES

No. of Pins	L ± (1).039
4	(10.0) .394
5	(12.5) .492
6	(15.0) .591
7	(17.5) .690
8	(20.0) .787
9	(22.5) .886
10	(25.0) .984
11	(27.5) 1.08
12	(30.0) 1.18
13	(32.5) 1.28
14	(35.0) 1.38

DERATING CHARACTERISTICS



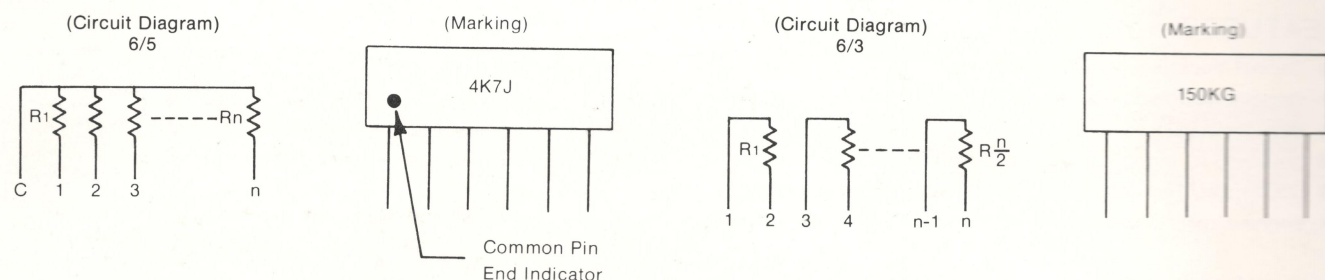
TEMPERATURE COEFFICIENT



CIRCUIT TYPE, MARKING AND PART NUMBER

(1) Common Circuit :

(2) Independent Circuit :

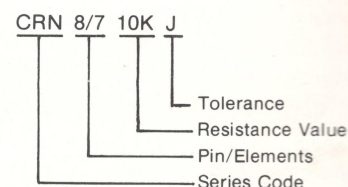


NOTE: SPECIAL TYPES AVAILABLE ON REQUEST

TO ORDER:

- Number of pins
- Resistor elements
- Resistance value
- Tolerance
- Example: 8 Pin 7 Resistor 10K ohm 5 percent=CAPAR Type CRN 8/7 10KJ.

Part No.



CROSS REFERENCE TO MAJOR MANUFACTURERS* SINGLE IN LINE (SIP)

DESCRIPTION	CAPAR	ALLEN-BRADLEY	BECKMAN	BOURNS	CENTRA LAB	CTS	DALE	MEPCO ELECTRA	SPRAGUE
6 PINS, 5 RESISTORS NO. 1 PIN COMMON	CRN 6/5XXX	106AXXX 206AXXX 406AXXX	783-1-RXXX 763-1-RXXX	4306R-101-	HC21-06-XXX HC31-06-XXX HF21-06-XXX HF31-06-XXX	750-61-RXXX	CSP06E-01XXX CSP06G-01XXX SIP06A-01XXX	9N06XXXXGL002 9S06XXXXGL002 S06AZE-XXX	256CXXXXX2PD 216CXXXXX2PD
6 PINS, 3 RESISTORS INDEPENDENT	CRN 6/3XXX	106BXXX 206BXXX 406BXXX	783-3-RXXX 763-3-RXXX	4306R-102-	HC22-06-XXX HC32-06-XXX HF22-06-XXX HF32-06-XXX	750-63-RXXX	CSP06E-03XXX CSP06G-03XXX SIP06A-03XXX	9N06XXXXGL001 9S06XXXXGL001	256CXXXXX2SR 216CXXXXX2SR
8 PINS, 7 RESISTORS NO. 1 PIN COMMON	CRN 8/7XXX	108AXXX 208AXXX 408AXXX	784-1-RXXX 784-1-RXXX	4308R-101-	HC21-08-XXX HC31-08-XXX HF21-08-XXX HF31-08-XXX	750-81-RXXX	CSP08E-01XXX CSP08G-01XXX SIP08A-01XXX	9N08XXXXGL002 9S08XXXXGL002 S08AZG-XXX	420CXXXXX2PD 256CXXXXX2PD 216CXXXXX2PD
8 PINS, 4 RESISTORS INDEPENDENT	CRN 8/4XXX	108BXXX 208BXXX 408BXXX	784-3-RXXX 784-3-RXXX	4308R-102-	HC22-08-XXX HC32-08-XXX HF22-08-XXX HF32-08-XXX	750-83-RXXX	CSP08E-03XXX CSP08G-03XXX SIP08A-03XXX	9N08XXXXGL001 9S08XXXXGL001	420CXXXXX2SR 256CXXXXX2SR 216CXXXXX2SR
10 PINS, 9 RESISTORS NO. 1 PIN COMMON	CRN 10/9XXX	110AXXX 210AXXX 410AXXX	785-1-RXX 765-1-RXXX	4310R-101-	HC21-10-XXX HC31-10-XXX HF21-10-XXX HF31-10-XXX	750-101-RXX	CSP10E-01XXX CSP10G-01XXX SIP10A-01XXX	9N10XXXXGL002 9S10XXXXGL002 S10AZ1-XXX	256CXXXXX2PD 216CXXXXX2PD
10 PINS, 5 RESISTORS INDEPENDENT	CRN 10/5XXX	110BXXX 210BXXX 410BXXX	785-3-RXXX 765-3-RXXX	4310R-102-	HC22-10XXX HC32-10-XXX HF22-10-XXX HF32-10-XXX	750-103-RXXX	CSP10E-03XXX CSP10G-03XXX SIP10A-03XXX	9N10XXXXGL001 9S10XXXXGL001	256CXXXXX2SR 216CXXXXX2SR

*CAPAR SERIES CROSSOVERS ARE NOT NECESSARILY EXACT. THEY ARE SIMILAR IN CONFIGURATION, SIZE AND ELECTRICAL CHARACTERISTICS.

NOTES:

- "XXX" REPRESENT RESISTANCE VALUE OR CODE.
- MANY OTHER CONFIGURATIONS NOT SHOWN ABOVE ARE READILY AVAILABLE.
- DUAL IN LINE (DIP) NETWORKS ARE NOW AVAILABLE.