



NIC COMPONENTS CORP.

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4/02/97

P R O D U C T C H A N G E N O T I C E

REF: NRC Series, Thick Film Chip Resistors

SUB: Power Rating & Operating Temperature Range

Please be advised, effective 2/5/97, the power ratings (-55°C to +70°C) of NIC's NRC series of chip resistor have been changed as follow:

NRC06 series (0603 size) chip resistors power rating has been increased to 1/10W (0.10W)

NRC10 series (0805 size) chip resistors power rating has been increased to 1/8W (0.125W)

NRC12 series (1206 size) chip resistors power rating has been increased to 1/4W (0.25W)

NRC25 series (1210 size) chip resistors power rating has been increased to 1/3W (0.33W)

NRC50 series (2010 size) chip resistors power rating has been increased to 3/4W (0.75W)

Temperature de-rating curves have been changed per NRC-007-1 R10 (see page two).

The above increases result to replace **NRC12R (0805)** and **NRC25R (1206)** series parts which **no longer appear in NIC Catalog**.

Please be advised that these increased power ratings applies to all products with lot numbers **96XXXXXX** (1996 production) and newer.

For additional information, please contact NIC TPMG.

A handwritten signature in black ink, appearing to read 'Jim Wright', with a horizontal line extending to the right.

Jim Wright, NIC Components Corp.

ISO 9002 REGISTERED

NRC CHIP RESISTOR AVAILABILITY LIST
 NRC-007-1 R10
 97-4-2
nic Nippon Industries Co., Ltd.

Type	EIA Size	Power Rating at 70°C	Max.#1 Working Voltage	Max.#2 Overload Voltage	Resistance Tolerance (Code)	Temperature Coefficient (ppm/°C)	Resistance Range (Ω)	Resistance Value	Taping Quantity per Reel		Operating Temperature Range (°)
									7" (178mm) Dia. 10" (255mm) Dia. #3	(pcs)	
NRC04	0402	1/16(0.065)W	25V	50V	±1% (F)	±200	10 ~ 1M	E96	10,000	NA	-55 ~ +125
					±5% (J)	±200	10 ~ 1M	E24			
NRC06	0603	1/10(0.10)W	50V	100V	±1% (F)	±100	10 ~ 1M	E96	5,000	NA	-55 ~ +150
					±2% (G), ±5% (J)	±200	10 ~ 1M	E24			
NRC10	0805	1/8 (0.125)W	150V	200V	±5% (J)	±350	1.0-9.1Ω or 1.1M-10Ω*3	E24	5,000	10,000	
					±1% (F)	±100	10 ~ 1M	E96			
NRC12	1206	1/4 (0.25)W	200V	400V	±2% (G), ±5% (J)	±200	10 ~ 1M	E24	5,000	10,000	
					±5% (J)	±350	1.0-9.1Ω or 1.1M-10Ω*3	E24			
NRC25	1210	1/3 (0.33) W	200V	400V	±1% (F)	±100	10 ~ 1M	E96	4,000	NA	-55 ~ +175
					±5% (J)	±250	10 ~ 1M	E24			
NRC50	2010	3/4 (0.75)W	200V	400V	±1% (F)	±100	10 ~ 1M	E96	4,000	NA	
					±5% (J)	±250	10 ~ 1M	E24			
NRC100	2512	1W	250V	500V	±1% (F)	±100	10 ~ 1M	E96	4,000	NA	
					±5% (J)	±200	10 ~ 1M	E24			
NRC0420	0402	Zero Ohm Jumper, Rated Current 1.0A max. (0.05Ω max. DC Resistance)				±350	1.0 ~ 9.1Ω #3		10,000	NA	-55 ~ +125
NRC0670	0603	Zero Ohm Jumper, Rated Current 1.0A max. (0.05Ω max. DC Resistance)							5,000	NA	-55 ~ +150
NRC1070	0805	Zero Ohm Jumper, Rated Current 2.0A max. (0.05Ω max. DC Resistance)							5,000	10,000	
NRC1270	1206	Zero Ohm Jumper, Rated Current 2.0A max. (0.05Ω max. DC Resistance)							5,000	10,000	
NRC2570	1210	Zero Ohm Jumper, Rated Current 2.0A max. (0.05Ω max. DC Resistance)							4,000	NA	-55 ~ +175
NRC5070	2010	Zero Ohm Jumper, Rated Current 2.0A max. (0.05Ω max. DC Resistance)							4,000	NA	
NRC10070	2512	Zero Ohm Jumper, Rated Current 2.0A max. (0.05Ω max. DC Resistance)							4,000	NA	

Note #1 : 0r √P-R, whichever is smaller.
 #2 : 0r 2 times of P-R for 0402 and 0603 sizes, or 2.5 times of P-R for other sizes, or whichever is smaller.
 #3 : Optional. Please consult NIC sales for availability.