



NIC COMPONENTS CORP.

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ANNUAL RELIABILITY SUMMARY REPORT

NRC & NRSN SERIES

DESC: THICK FILM CHIP RESISTORS AND CHIP RESISTOR ARRAYS

Size	Tolerance	OPERATION HOURS (X 10 ⁹)				MTBF (FIT)			
		1998	1999	2000	2001	1998	1999	2000	2001
0402	±5%	0	903	1014	3022	0	0.00102	0.002	0.0003
	±1%	0	151	754	2015	0	0.00607	0.00268	0.00046
0603	±5%	11749	13940	12065	8447	0.00008	0.00007	0.00008	0.00011
	±1%	1068	2032	5171	3620	0.00086	0.00045	0.00018	0.00025
0805	±5%	27866	39640	13462	15085	0.00003	0.00002	0.00007	0.00006
	±1%	2650	3893	8975	10056	0.00035	0.00024	0.0001	0.00009
1206	±5%	18945	17453	7709	9014	0.00005	0.00005	0.00012	0.0001
	±1%	1043	1197	3304	3863	0.00088	0.00077	0.00028	0.00024
1210	±5%	0	339	91	103	0	0.0027	0.01011	0.00888
	±1%	0	13	10	11	0	0.07299	0.09103	0.07991
2010	±5%	0	76	129	233	0	0.01207	0.00711	0.00394
	±1%	0	7	14	26	0	0.13164	0.06402	0.03548
2512	±5%	0	157	109	107	0	0.00584	0.00844	0.00858
	±1%	0	4	6	6	0	0.25096	0.16043	0.16293
NRSNA614	±5%	0	2350	289	438	0	0.00039	0.00317	0.00209

RELIABILITY BASED UPON FIELD FAILURE RATE

FIT = Failures in Time [1 x 10⁹ Hours]