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NICHROME Ni80Cr20 RIBBON: RESISTANCE TABLE – METRIC

Thickness	Width (mm)							Resistance ohm/m*									
	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.5	1.8	2.0	2.5	3.0	4.0	5.0
1.00											.778	.648	.583	.467	.389	.292	.233
0.90											.864	.720	.648	.518	.432	.324	.259
0.80										1.22	.972	.810	.729	.583	.486	.365	.292
0.70									1.67	1.39	1.11	.926	.833	.667	.555	.417	.333
0.60							2.43	2.16	1.94	1.62	1.30	1.08	.972	.778	.648	.486	.389
0.50						3.33	2.92	2.59	2.33	1.94	1.56	1.30	1.17	.933	.778	.583	.467
0.40					4.86	4.17	3.65	3.24	2.92	2.43	1.94	1.62	1.46	1.17	.972	.729	.583
0.30					6.48	5.55	4.86	4.32	3.89	3.24	2.59	2.16	1.94	1.56	1.30	.972	.778
0.24					8.10	6.94	6.08	5.40	4.86	4.05	3.24	2.70	2.43	1.94	1.62	1.22	.972
0.22					8.84	7.57	6.63	5.89	5.30	4.42	3.53	2.95	2.65	2.12	1.77	1.33	1.06
0.20			14.6	11.7	9.72	8.33	7.29	6.48	5.83	4.86	3.89	3.24	2.92	2.33	1.94	1.46	1.17
0.18			16.2	13.0	10.8	9.26	8.10	7.20	6.48	5.40	4.32	3.60	3.24	2.59	2.16	1.62	1.30
0.16	36.5	24.3	18.2	14.6	12.2	10.4	9.11	8.10	7.29	6.08	4.86	4.05	3.65	2.92	2.43	1.82	1.46
0.15	38.9	25.9	19.4	15.6	13.0	11.1	9.72	8.64	7.78	6.48	5.18	4.32	3.89	3.11	2.59	1.94	1.56
0.14	41.7	27.8	20.8	16.7	13.9	11.9	10.4	9.26	8.33	6.94	5.55	4.63	4.17	3.33	2.78	2.08	1.67
0.12	48.6	32.4	24.3	19.4	16.2	13.9	12.2	10.8	9.72	8.10	6.48	5.40	4.86	3.89	3.24	2.43	1.94
0.10	58.3	38.9	29.2	23.3	19.4	16.7	14.6	13.0	11.7	9.72	7.78	6.48	5.83	4.67	3.89	2.92	2.33
0.095	61.4	40.9	30.7	24.6	20.5	17.5	15.3	13.6	12.3	10.2	8.19	6.82	6.14				
0.09	64.8	43.2	32.4	25.9	21.6	18.5	16.2	14.4	13.0	10.8	8.64	7.20	6.48				
0.085	68.6	45.7	34.3	27.4	22.9	19.6	17.2	15.2	13.7	11.4	9.15	7.62	6.86				
0.08	72.9	48.6	36.5	29.2	24.3	20.8	18.2	16.2	14.6	12.2	9.72	8.10	7.29				
0.075	77.8	51.8	38.9	31.1	25.9	22.2	19.4	17.3	15.6	13.0	10.4						
0.07	83.3	55.5	41.7	33.3	27.8	23.8	20.8	18.5	16.7	13.9							
0.06	97.2	64.8	48.6	38.9	32.4	27.8	24.3	21.6	19.4								
0.05	117	77.8	58.3														

*Nominal resistance based on theoretical cross sectional area x 0.94