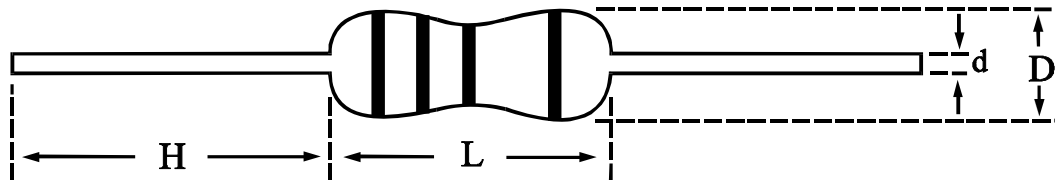


- The NCF Series Carbon Film Non-Inductive
- Flame-Proof Resistors
- coating a homogeneous film of pure carbon on high grade ceramic rods.
- Tinned connecting leads of electrolytic copper are welded to the end-caps.
- The inductance is <math><1\mu\text{H}</math>
- Normal & Miniature Style

DIMENSIONS

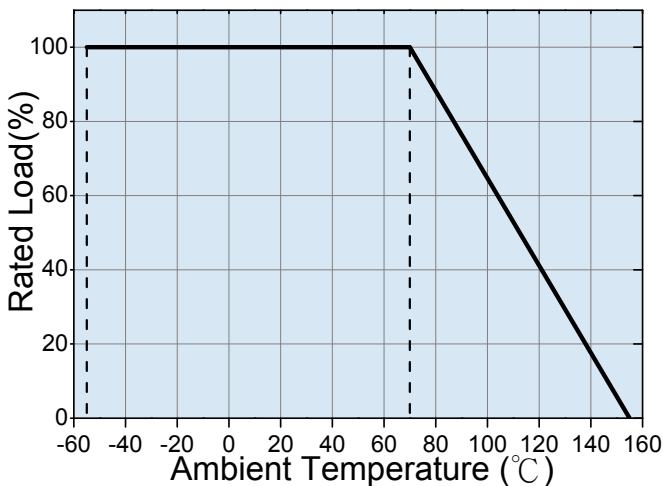


STYLE		DIMENSIONS(mm)				RESISTANCE RANGE
Normal	Miniature	L	D	H	d	
NCF-1/8W	NCF-1/4Ws	3.3 ^{+0.7} _{-0.2}	1.8±0.3	29±2.0	0.45±0.03	10Ω~10KΩ (±10%) 3Ω3~9Ω9 (±20%)
NCF-1/4W	NCF-1/2Ws	6.3±0.5	2.3±0.3	28±2.0	0.55±0.03	
NCF-1/2W	NCF-1Ws	9.0±0.5	3.2±0.5	26±2.0	0.65±0.03	
NCF-1W	NCF-2Ws	11.5±1.0	4.5±0.5	35±2.0	0.78±0.03	
NCF-2W	NCF-3Ws	15.5±1.0	5.0±0.5	32±2.0	0.78±0.03	
NCF-3W	NCF-5Ws	17.5±1.0	6.0±0.5	35±2.0	0.78±0.03	
NCF-5W	NCF-7Ws	24.5±1.0	8.0±0.5	35±2.0	0.78±0.03	

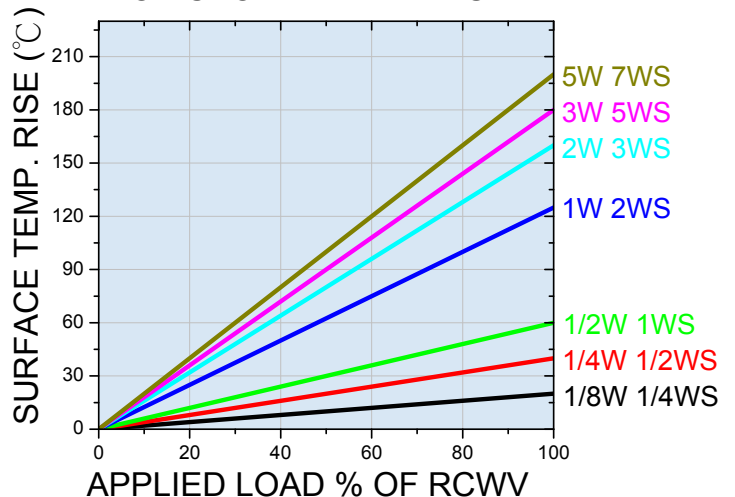
ELECTRICAL CHARACTERISTICS

Power rating at 70°C	1/8W	1/4Ws	1/4W	1/2Ws	1/2W	1Ws	1W	2Ws	2W	3Ws	3W	5WS	5W	7WS
Perating Temp. Range	-55°C to +155°C													
Max. Working Voltage	150V	200V	250V	300V	350V	400V	450V	500V	500V	500V	700V	700V	800V	800V
Max. Overload Voltage	300V	400V	500V	500V	700V	800V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V
Dielectric Withstanding voltage	300V	400V	500V	500V	700V	800V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V
Value Range ±5%、±10%、±20%	3Ω3~10KΩ，E24 series													

●POWER GRAPH



●HOT-SPOT TEMPERATURE



PERFORMANCE TEST	TEST METHOD	APPRAISE
SHORT TIME OVERLOAD	JIS-C-5201.4.13 2.5 times RCWV for 5 seconds	±(0.75%+0.05Ω)
TEMPERATURE COEFFICIENT(T.C.R.)	Resistance value at room Temperature and room Temperature+100°C	Under 5KΩ ±500 ppm 5KΩ to 10KΩ±800 ppm
DIELECTRIC WITHSTANDING VOLTAGE	JIS-C5202 5.7 In V-Block for 60 seconds	By Type
PULSE OVERLOAD	JIS-C5202 5.8 4 times RCWV for10000cycles(1sec.on , 25secs.off)	±(1%+0.05Ω)
INSULATION RESISTANCE	JIS-C5202 5.6 In V-Block	>10000MΩ
LOAD LIFE	JIS-C5202 7.10 70°C at RCWV for1000hrs.(1.5hrs. on , 0.5hrs.off)	±(3%+0.05Ω)
LOAD LIFE IN HUMIDITY	JIS-C5202 7.9 40±2°C 90~95%RH at RCWV for1000hrs. (1.5hrs. on , 0.5hrs.off)	Less than 100KΩ±3% 100KΩ or more±5%
SOLDER ABILITY	JIS-C5202 6.5 260±5°C for 2±0.5 seconds	95% min. coverage
RESISTANCE TO SOLVENT	JIS-C5202 6.9 Trichroethane for 1 min. with ultrasonic	No deterioration of coatings and markings
TERMINAL STRENGTH	Direct load for 10 sec. In the direction off the terminal leads.	Tensile: ≥2.5kg

Resistor body color :

1/8W-3WS Brown
3W-7WS Grey

● PART NUMBER:

NCF		1/2W		3K		J		TB	
↓		↓		↓		↓		↓	
Type		Power rating		Resistance		Tolerance		Packaging	
NCF	Non-Inductive	1/8W	1/4WS	3R3	3.3Ω	J	± 5%	TB	Taping Box
		1/4W	1/2WS	10R	10Ω	K	± 10%	TR	Taping Reel
		1/2W	1WS	100R	100Ω	M	± 20%	BU	Bulk
		1W	2WS	1K2	1K2Ω			F	F-TYPE
		2W	3WS	1M	1MΩ			M	M-TYPE
		3W	5WS					PANA	PANA
		5W	7WS						