

CARBON FILM FIXED RESISTORS

KOME

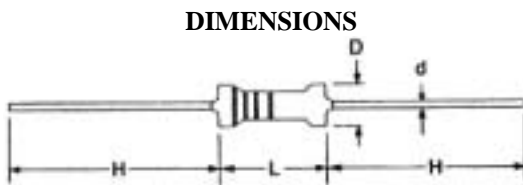
HOW TO ORDER

KCF	25	J	2	100	BP			
Product Code	Type	Tolerance		Total Ch.	Value	Packaging		
Carbon Film	12 1/6W	F	$\pm 1\%$	No. of Total Character (100=10=2)	E-24 : Significant figures + number of zeros	BP	Bulk packaging	
	25 1/4W	J	$\pm 5\%$		E-96 : No. of character + Significant figures + number of Zeros	AP	AMMO packaging	
	50 1/2W	K	$\pm 10\%$		Example			
	100 1W				E-24	1R0 = 1 Ω , 103 = 10K Ω		
	200 2W				E-96	5 1002 = 10K Ω		
	500 5W				E-96	6 1003 = 100K Ω		
10A 10W				Letter R is decimal point				
				Jumper is expressed by 000				

POWER RATINC: Standard Type: 1/6W, 1/4W, 1/2W, 1W, 2W, 3W
Miniature Type: 1/4WS, 1/2WS, 1WS, 2WS, 3WS

TOLERANCE: 5%

TYPE		Dimensions (mm)			
		L	D	H	d
CF-1/4WS	CF-1/6W	4.1 \pm 0.3	1.8 \pm 0.2	28 \pm 2 24 \pm 2	0.45 \pm 0.02
CF-1/2WS	CD-1/4W	6.4 \pm 0.5	2.5 \pm 0.3	28 \pm 2	0.48 \pm 0.02
CF-1WS	CF-1/2W	10.0 \pm 0.5	3.5 \pm 0.5	25 \pm 2	0.52 \pm 0.02
CF-2WS	CF-1W	12 \pm 1.0	4.5 \pm 0.5	25 \pm 2 28 \pm 3	0.60 \pm 0.02
CF-3WS	CF-2W	16 \pm 1.0	6.0 \pm 0.5	28 \pm 2	0.65 \pm 0.02
----	CF-3W	18 \pm 1.0	6.0 \pm 0.5	26 \pm 3	0.80 \pm 0.05



CHARACTERISTICS

Terminal Strength	no damage $\Delta R_{max} \pm 0.3\%$ or 0.5 Ω
Soldering	Good tinning no damage $\Delta R_{max} \pm 0.5\%$ or 0.5 Ω
Temperature Cycling	$\Delta R_{max} \pm 0.5\%$
Vibration	no damage $\Delta R_{max} \pm 0.5\%$ or 0.5 Ω
Moisture Resistance	$\Delta R_{max} \pm 3\%$
Load Life	$\Delta R_{max} \pm 2.5\%$
Temperature Coefficient	See Fig-1
Dielectric Strength	2x Work; Volt no breakdown $\Delta R_{max} \pm 0.5\%$
Insulation Resistance	min 10 ¹⁰ Ω
Short Time Overload	$\Delta R_{max} \pm 0.5\%$
Resistance to Solvents	no damage

DERATING CURVE

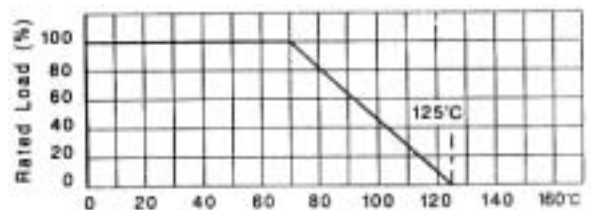


Fig-1 Temperature Coefficient

Maximum Value of Temperature Coefficient ppm/ $^{\circ}$ C		
Under 100k	100k to 1m exc1	1 m and over
+350	+350	+350
-500	-700	-1000

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GENERAL SPECIFICATIONS

Power Rating		Maximum Working Voltage	Maximum Overload Voltage	Resistance Range	
				$\pm 2\%$ (G)	$\pm 5\%$ (J)
---	CF-1/6W	200	400	10 Ω - 5.1M	1 Ω - 22M
CF-1/4WS	CF-1/4W	250	500	1 Ω - 10M	0.47 Ω - 22M
CF-1/2WS	CF-1/2W	350	700	1 Ω - 10M	0.47 Ω - 22M
CF-1WS	CF-1W	500	1000	1 Ω - 10M	0.47 Ω - 22M
CF-2WS	CF-2W	500	1000	1 Ω - 10M	0.47 Ω - 22M
	CF-3W	700	1200	1 Ω - 10M	0.47 Ω - 22M

REMARKS:

- Special lead length (H) on request.
- Special resistance on request.
- Flameproof type also available.