

CARBON FILM FIXED RESISTORS

KOME

HOW TO ORDER

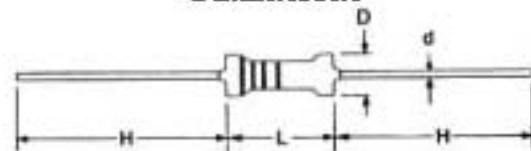
KCF	25	J	2	100	BP
Product Code	Type	Tolerance	Total Ch.	Value	Packaging
Carbon Film	12 1/6W 25 1/4W 50 1/2W 100 1W 200 2W 500 5W 10A 10W	F ±1% J ±5% K ±10%	No. of Total Character (100-10-2)	E-24 : Significant figures + Number of zeros E-96 : No. of character + Significant figures + Number of Zeros	BP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

POWER RATING: 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
CF14WS	CF14W	41 ± 0.3	1.8 ± 0.2	28 ± 2 24 ± 2	0.45 ± 0.02
CF12WS	CF12W	44 ± 0.5	2.5 ± 0.3	28 ± 2	0.48 ± 0.02
CF1WS	CF12W	10.0 ± 0.5	3.5 ± 0.5	25 ± 2	0.52 ± 0.02
CF2WS	CF1W	12 ± 1.0	4.5 ± 0.5	25 ± 2 28 ± 3	0.40 ± 0.02
CF3WS	CF2W	16 ± 1.0	4.0 ± 0.5	28 ± 2	0.45 ± 0.02
---	CF3W	18 ± 1.0	4.0 ± 0.5	24 ± 3	0.80 ± 0.05

DIMENSIONS



CHARACTERISTICS

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

DERATING CURVE

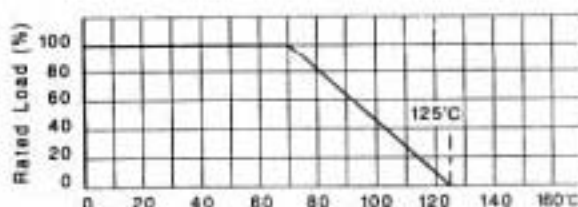


Fig-1 Temperature Coefficient

Maximum Value of Temperature Coefficient ppm/°C		
Under 100Ω	100Ω to 1m Ω	1m Ω and over
+50	+50	+50
-50	-70	-100