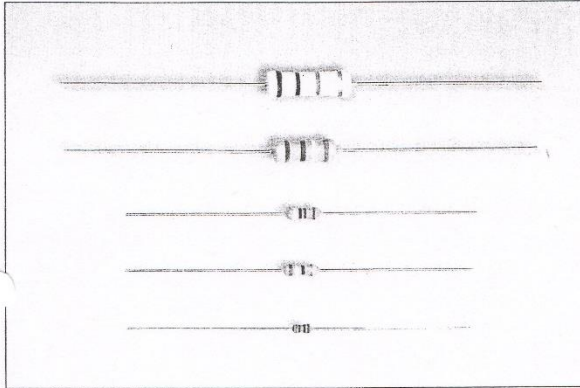




TECH-MEN ELECTRONICS COMPONENTS

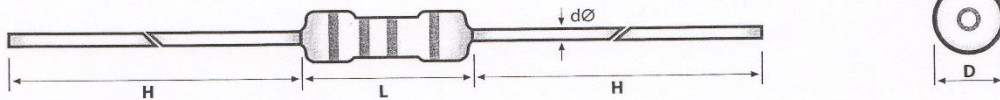
Supply * Sub Assemblies * Taping/ Forming Components
Co. Reg. No: 45730100K

Carbon Film Resistors



FEATURES:

- ❑ Exceptional stability.
- ❑ Meet performance requirement of CNS. 2320, JIS. C5202.
- ❑ Flame retardant coating and color banding is resistant to industrial solvents.
- ❑ Standard tolerances: $\pm 2\%$, $\pm 5\%$.
- ❑ Variety of packaging-bulk, tape on reel, cut and formed and radial tape/panasert.
- ❑ Flame Proof coating also available, meet UL-1412 specification.
- ❑ Lead free and RoHS compliant part.



CARBON FILM RESISTORS

TYPE CFR	FINISHED DIMENSION (MM)				RATED POWER	MAX WORKING VOLTAGE	MAX OVERLOAD VOLTAGE	RES. VALUES RANGES	
	D ± 0.5	L ± 0.5	H ± 2.00	d ± 0.05				$\pm 2\%$	$\pm 5\%$
1/6W (1/8W)	1.90	3.40	28.00	0.45	1/6W (1/8W)	250V	400V	10R - 1M	0.1 - 22M
1/4W	2.30	6.20	27.00	0.55	1/4W	300V	600V	10R - 1M	0.1 - 22M
1/2W	3.30	8.55	27.00	0.55	1/2W	350V	700V	10R - 1M	0.1 - 22M
1W	4.20	11.20	34.80	0.78	1W	500V	1000V	10R - 1M	0.1 - 22M
2W	5.00	15.20	33.80	0.78	2W	500V	1000V	10R - 1M	0.1 - 22M
1/4WS	1.90	3.70	28.00	0.45	1/4WS	250V	400V	10R - 1M	0.1 - 22M
1/2WS	2.30	6.20	27.00	0.55	1/2WS	350V	700V	10R - 1M	0.1 - 22M

* NON FLAME ALSO AVAILABLE

CHARACTERISTICS

LOAD LIFE	Rated Voltage 1000hrs	$\pm 3\%$
SOLDERING HEAT	350 ± 10 °C, 3 sec	$\pm (0.5\% + 0.05\Omega)$
MOISTURE RESISTANCE	Rated Voltage, 1.5hrs ON - 0.5hrs OFF, 40 °C ± 2 °C 90 ~ 95% RH 1000 ± 2 hrs	$\pm 3\%$
SHORT TIME OVERLOAD	2.5 Times Rated Voltage 5 Sec.	$\pm (0.5\% + 0.05\Omega)$
TEMPERATURE CYCLING	-55 ± 3 °C ~ +155 ± 2 °C 5 Times	$\pm (3\% + 0.05\Omega)$
INSULATION RESISTANCE	AC 500V 1min.	10 ⁹ M Ω
LOW TEMPERATURE STORAGE	-55 ± 3 °C, 24 hrs	$\pm (1\% + 0.05\Omega)$
HIGH TEMPERATURE STORAGE	155 ± 3 °C, 100 hrs	$\pm (1\% + 0.05\Omega)$

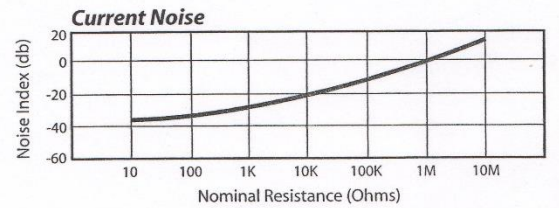
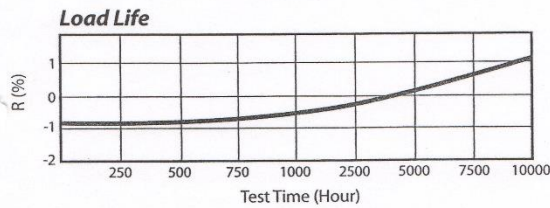
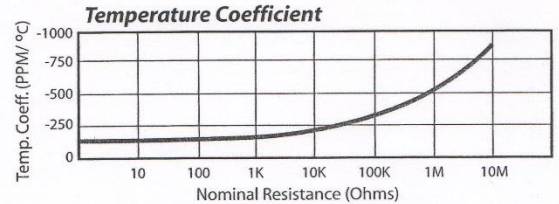
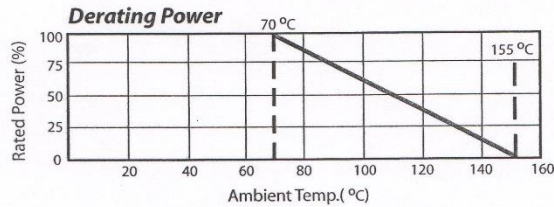
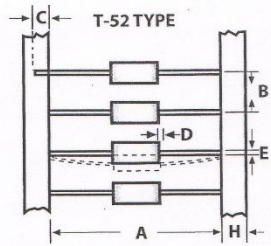
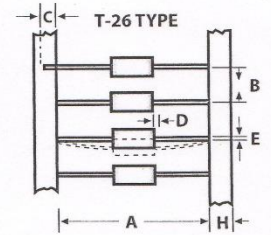


TECH-MEN ELECTRONICS COMPONENTS

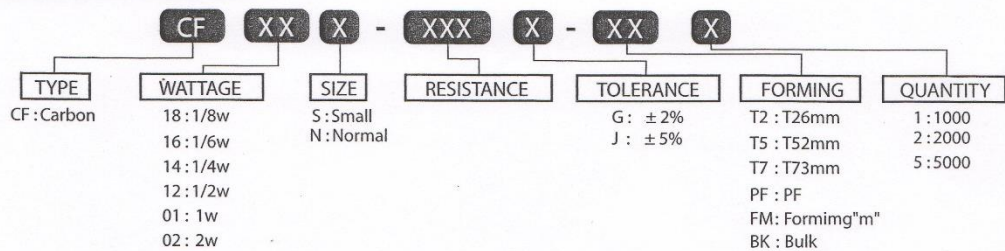
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Co. Reg. No: 45730100K

TAPE IN BOX (unit : mm)

SIZE TYPE	A	B	C MIN.	D MAX.	E MAX.	H
T26 1/8W	26.0 ± 1.0 -0	5.0 ± 0.3	4.0	0.5	0.8	6 ± 1.0
T26 1/4W						
T52 1/8W	52 ± 1.0	5.0 ± 0.3	4.0	0.5	0.8	6 ± 1.0
T52 1/4W						
T52 1/2W						
T52/T73 1W	52 ± 1.0 73 ± 1.0	5.0 ± 0.3	4.0	1.0	1.0	6 ± 1.0
T73 2W	73 ± 1.0					



ORDERING FORMAT





CARBON FILM SERIES

CFR12 ¼ , 1/6 , 1/8 WATT (3.2 X 1.8 mm)



CFR25 ¼ WATT (6.5 X 2.3 mm)



CFR33 ½ WATT (9.0 X 3.0 mm)



CFR100 1 WATT (11.5 X 4.0 mm)



CFR200 2 WATT (15.5 X 5.0 mm)



CFRS1 MINIATURE ½ WATT (6.5 X 2.3 mm)



ZOR12 ZERO OHM (3.2 X 1.8 mm)



ZOR25 ZERO OHM (6.5 X 2.3 mm)

