



CARBON FILM FIXED RESISTOR

PART NUMBER DESCRIPTION (for order booking)

<u>CR25</u>	<u>S</u>	<u>PS</u>	<u>4K7</u>	<u>J</u>	<u>TR</u>
Material Type & Wattage	SIZE	Lead Style	Resistance Value	Res. Tol.	Package

(1) Material Type & Wattage: Carbon Film Fixed Resistors

CR12 (1/8W)	CR25 (1/4W)	CR50 (1/2W)	CR100 (1W)
CR16 (1/6W)	CR25S (1/4W)	CR50S (1/2W)	CR200 (2W)

(2) Lead Style: PS, Horizontal Type
 PF, Vertical Type
 PM, Cut and Formed for PCB Mounting

(3) Resistance Value: in Ohm (Ω)

Ohm	0.47	1	4.7	10	100	1000	4700	10000	1000000
Code No.	R47	1	4R7	10	100	1K	4K7	10K	1M

(4) Resistance Tolerance: G=± 2%, J=± 5%

(5) Package: It is omitted when the resistors are in bulk package.

TR: Tape/Reel, TB: Tape/Box

SPECIFICATIONS:

TYPE	POWER RATING AT 70°C	MAX. WORKING VOLTAGE	MAX OVERLOAD VOLTAGE	OPERATING TEMP. RANGE	RESISTANCE RANGE	
					G (± 2%)	J (± 5%)
CR12 CR16	1/8W (0.125W) 1/6W (0.16W)	150V	300V	-55°C ~ +155°C	10 Ω ~ 470K Ω	1 Ω ~ 10M Ω
CR25S CR25	1/4W (0.25W) 1/4W (0.25W)	200V 250V	400V 500V		10 Ω ~ 1M Ω	1 Ω ~ 10M Ω
CR50S CR50	1/2W (0.5W) 1/2W (0.5W)	300V 350V	600V 700V		10 Ω ~ 1M Ω	1 Ω ~ 10M Ω
CR100 CR200	1W 2W	500V 500V	1000V 1000V		10 Ω ~ 1M Ω	1 Ω ~ 10M Ω

SERIES FOR STANDARD VALUES:

E-24: 10 11 12 13 15 16 18 20 24 27 30 33 36 39 43 47 51 56 62 68 75 82 91

ZERO OHM RESISTOR:

TYPE	RESISTANCE	OPERATING TEMP. RANGE	MAX AMPERAGE	RATING AMBIENT TEMP.	COLOR CODE MAKING
CR16	Less than 0.02 Ω	-55°C ~ +155°C	1.5A	70°C	by one Black band
CR25			2.5A		