

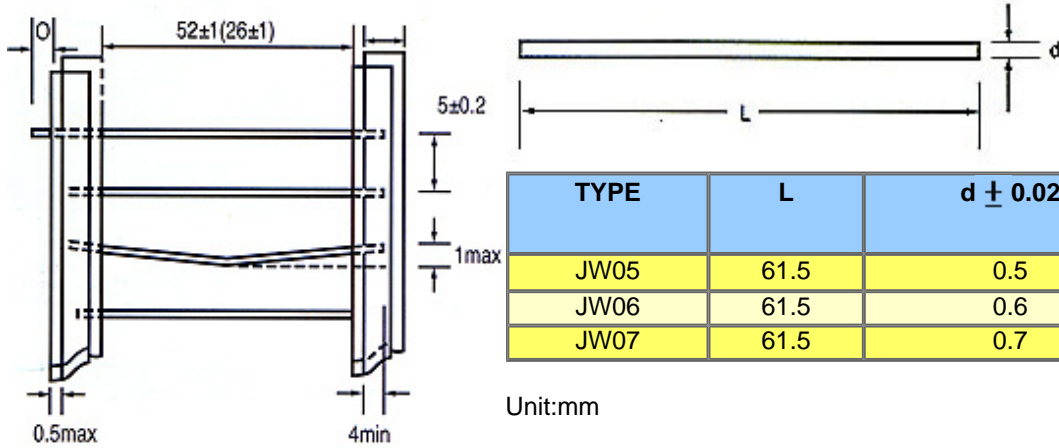
# RESISTOR



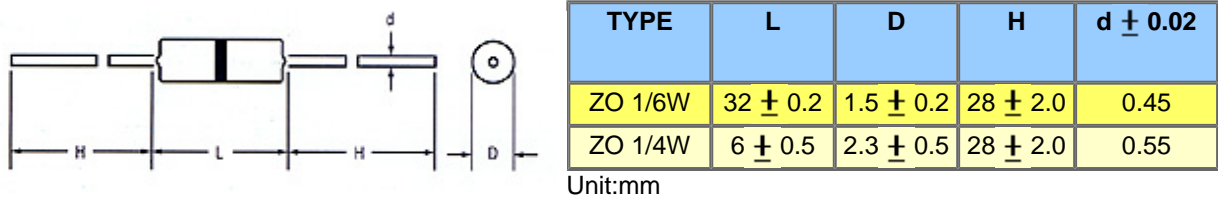
**CF**  
CARBON FILM  
RESISTOR

RC	RN	KNP	MOF	FR	MF	CF	CR	FA	PW	AH
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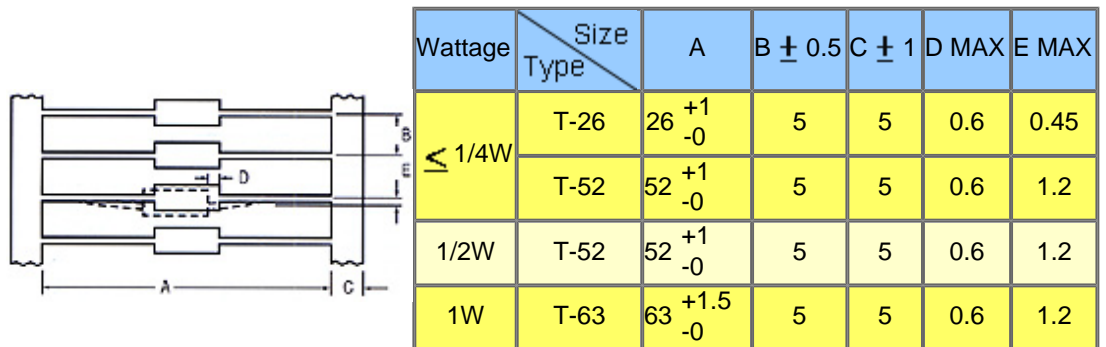
## JUMPER WIRES



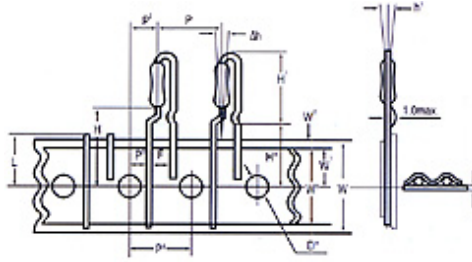
## ZERO OHM



## TAPE TYPE DIMENSIONS



## PN-TYPE RADIAL TAPE TYPE DIMENSIONS

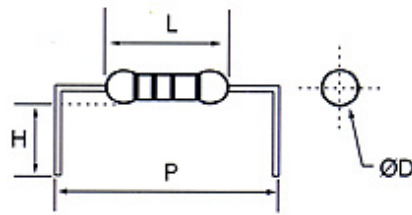


DIMENSIONISONS					
P	12.7 ± 1.0	Δ h	0 ± 0.5	H°	16.0 ± 0.5
P°	12.7 ± 0.3	W	18.0 <sup>+1.0</sup> <sub>-0.5</sub>	H¹	12.0max
P¹	3.85 ± 0.7	W°	12.5mm	D°	4.0 ± 0.3
P²	6.35 ± 1.0	W¹	9.0 ± 0.5	t	0.7 ± 0.2
F	5.0 ± 0.5	W²	max.	L	11.0max
Δ h	0 ± 2.0	H	20.0 ± 0.5		

Unit:mm

**KNP / MOF / FR / MF / CF OTHER TYPES**

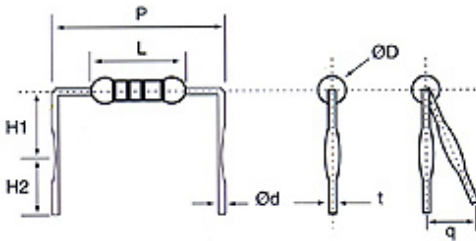
**M-TYPE**



Watts	DIMENSIONISONS			
	Ø D	L	P ± 1.0	H ± 1.0
1/6W;1/4WS	1.5 ± 0.2	3.2 ± 0.2	6	10
1/4W;1/2WS	2.3 ± 0.5	6.0 ± 0.5	10	10
1/2W;1WS	3.2 ± 0.5	9 ± 0.5	12.5	10
1W;2WS	4 ± 0.5	11 ± 1.0	15	10
2W;3WS	5 ± 0.5	15 ± 1.0	20	10
3W;5WS	6 ± 0.5	17 ± 1.0	25	10
5W	8 ± 1.0	24 ± 1.0	30	10

Unit:mm

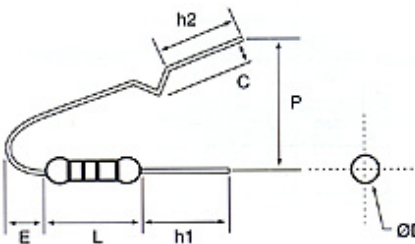
**MB-TYPE**



Watts	DIMENSIONISONS							
	Ø D	L	P ± 1.0	H1 ± 1.0	H2 ± 1.0	P ± 1.0	P ± 1.0	q Max
1/2W;1WS	3.2 ± 0.5	9 ± 0.5	12.5/15	10.5	4.5	0.6	1.2	3
1W;2WS	4 ± 0.5	11 ± 1.0	15	10.5	4.5	0.8	1.25	3
2W;3WS	5 ± 0.5	15 ± 1.0	20	10.5	4.5	0.8	1.25	3
3W;5WS	6 ± 0.5	17 ± 1.0	25	10.5	4.5	0.8	1.25	3
5W	8 ± 1.0	24 ± 1.0	30	14	4.5	0.8	1.25	3

Unit:mm

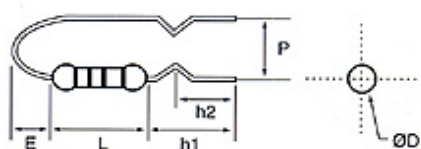
**FK-TYPE**



Watts	DIMENSIONISONS					
	Ø D	L	P ± 1.0	E Max	h1 ± 1.0	h2 Max
1/2W;1WS	3.2 ± 0.5	9 ± 0.5	6	3.5	4.5	7
1W;2WS	4 ± 0.5	11 ± 1.0	6	3.5	4.5	7
2W;3WS	5 ± 0.5	15 ± 1.0	6	3.5	4.5	7
3W;5WS	6 ± 0.5	17 ± 1.0	6	3.5	4.5	7

Unit:mm

**FKK-TYPE**



Watts	DIMENSISONS					
	Ø D	L	P ± 1.0	E Max	H1 ± 1.0	H2 ± 1.0
1/2W;1WS	3.2 ± 0.5	9 ± 0.5	5~7	3.5	8	4.5
1W;2WS	4 ± 0.5	11 ± 1.0	5~9	3.5	8	4.5
2W;3WS	5 ± 0.5	15 ± 1.0	5~9	3.5	8	4.5
3W;5WS	6 ± 0.5	17 ± 1.0	5~10	3.5	8	4.5

Unit:mm

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