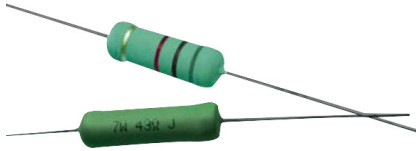


# Wire Wound Fixed Resistors

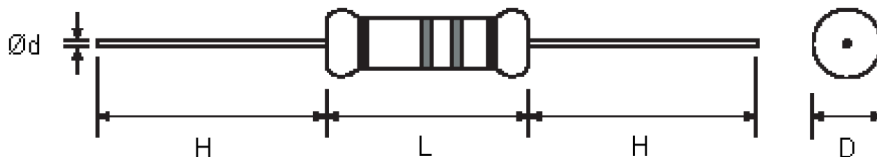


## Features:

- Colour coating is “green”
- Non-inductive type available
- Excellent flame resistance
- Too low or too high ohm value can be supplied on a case to case basis
- Special fusing wire-wound resistors can be supplied on a case to case basis

## Performance Specifications:

Temperature Coefficient	: < 20Ω : ± 400 PPM / °C ; ≥20Ω : ±300 PPM / °C
Short time Overload	: ±(2% + 0.05Ω) max., with no evidence of mechanical damage
Dielectric withstanding Voltage	: No evidence flashover, mechanical damage, arcing or insulation breakdown
Pulse Overload	: ±(5% + 0.05Ω) max., with no evidence of mechanical damage
Terminal Strength	: No evidence of mechanical damage
Resistance to Soldering Heat	: ±(1% + 0.05Ω) max., with no evidence of mechanical damage
Solderability	: Min. 95% coverage
Temperature Cycling	: ±(2% + 0.05Ω) max., with no evidence of mechanical damage
Load Life in Humidity	: ±(5% + 0.05Ω) max., with no evidence of mechanical damage
Load Life	: ±(5% + 0.05Ω) max., with no evidence of mechanical damage
Non-flame	: No evidence of flaming or arcing



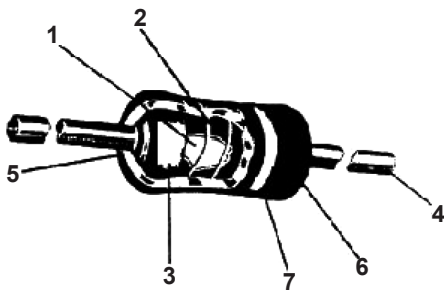
Standard : 2%, 5% 10% - E 24 Series  
1% - E 96 Series

## Specification Table

Style	Power Rating at 70°C	Dimension (mm)					Resistance Range	Std Packing Qty	Part Number
		D ±1	L ±1	d ±0.05	H ±3	PT			
<b>Normal Size</b>									
MCKNP 50	0.5 W	3.5	10	0.54	28	52	0.1Ω to 39Ω	1,000	MCKNP0W2
MCKNP 100	1 W	5	12	0.7	25		0.1Ω to 50Ω		MCKNP01W
MCKNP 200	2 W	5.5	16		28	64	0.1Ω to 120Ω		MCKNP02W
MCKNP 300	3 W	6.5	17.5	0.75			0.1Ω to 200Ω		MCKNP03W

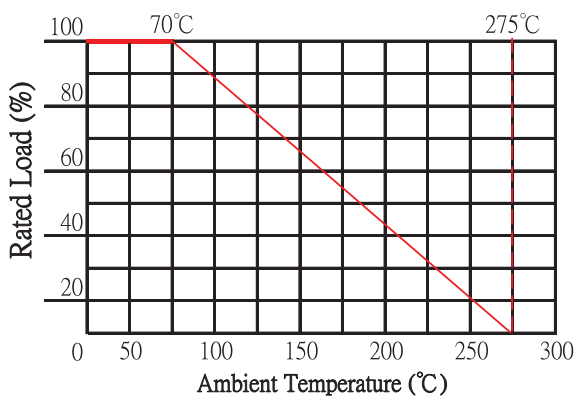
# Wire Wound Fixed Resistors

Style	Power Rating at 70°C	Dimension (mm)					Resistance Range	Std Packing Qty	Part Number
		D ±1	L ±1	d ±0.05	H ±3	PT			
<b>Small Size</b>									
MCKNP 100-S	1 W	3.5	10	0.54	28	52	0.1Ω to 39Ω	1,000	MCKNP01S
MCKNP 200-S	2 W	5	12	0.7	25		0.1Ω to 50Ω		MCKNP02S
MCKNP 300-S	3 W	5.5	16		28	64	0.1Ω to 120Ω		MCKNP03S
MCKNP 500-S	5 W	6.5	17.5	0.75	38	B/B	0.1Ω to 200Ω	500	MCKNP05S
MCKNP 700-S	7 W	8.5	25				0.5Ω to 470Ω	1,000	MCKNP07S
MCKNP 1000-S	10 W		53		1Ω to 1.5kΩ	1,800	MCKNP0AS		
<b>Extra Small Size</b>									
MCKNP 300-SS	3 W	5.5	13.5	0.7	28	64	0.1Ω to 50kΩ	1,000	MCKNP03U

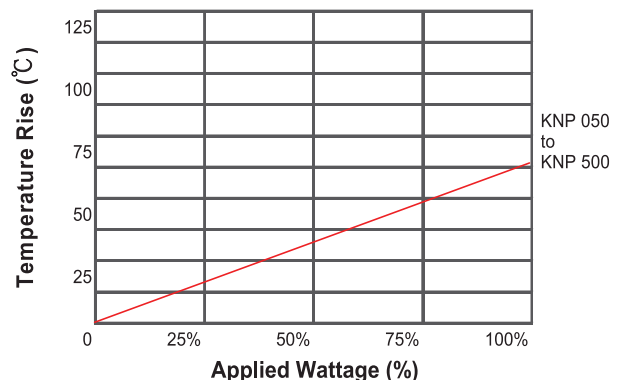


No.	Name	Material
1	Basic Body	Rod Type Ceramics
2	Resistor	Cu-Ni Alloy / Ni-Cr Alloy
3	End Cap	Steel (Tin plated iron surface)
4	Lead Wire	Annealed Copper Wire Coated with Tin
5	Joint	By Welding
6	Coating	Insulated & Non-Flame paint (Colour: Light Green)
7	Colour Code	Non-Flame Epoxy Resin

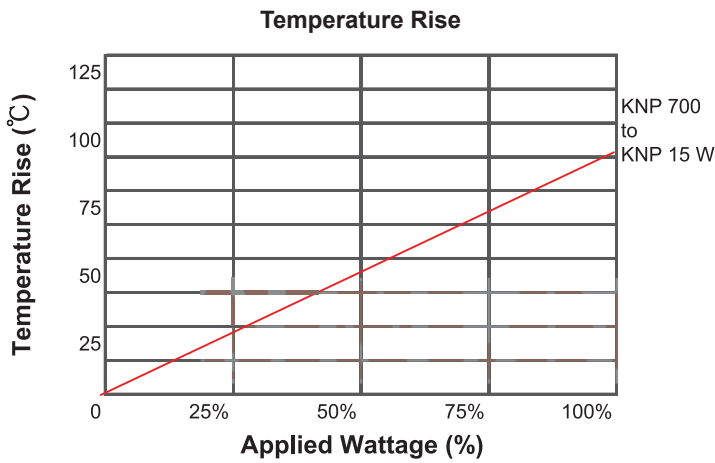
**Derating Curve**



**Temperature Rise**



# Wire Wound Fixed Resistors



## Part Number Table

Description	Part Number
Resistor, Wire Wound, 0R25, 5%, 0.5W	MCKNP0W2J025KA10
Resistor, Wire Wound, 10R, 5%, 0.5W	MCKNP0W2J0100A10
Resistor, Wire Wound, 25R, 5%, 0.5W	MCKNP0W2J0250A10
Resistor, Wire Wound, 47R, 5%, 0.5W	MCKNP0W2J0470A10
Resistor, Wire Wound, 130R, 5%, 0.5W	MCKNP0W2J0131A10
Resistor, Wire Wound, 470R, 5%, 0.5W	MCKNP0W2J0471A10
Resistor, Wire Wound, 0R22, 5%, 1W	MCKNP01WJ022KA10
Resistor, Wire Wound, 0R33, 5%, 1W	MCKNP01WJ033KA10
Resistor, Wire Wound, 0R5, 5%, 1W	MCKNP01WJ050KA10
Resistor, Wire Wound, 0R62, 5%, 1W	MCKNP01WJ062KA10
Resistor, Wire Wound, 1R, 5%, 1W	MCKNP01WJ010JA10
Resistor, Wire Wound, 2R2, 5%, 1W	MCKNP01WJ022JA10
Resistor, Wire Wound, 5R6, 5%, 1W	MCKNP01WJ056JA10
Resistor, Wire Wound, 6R8, 5%, 1W	MCKNP01WJ068JA10
Resistor, Wire Wound, 10R, 5%, 1W	MCKNP01WJ0100A10
Resistor, Wire Wound, 33R, 5%, 1W	MCKNP01WJ0330A10
Resistor, Wire Wound, 39R, 5%, 1W	MCKNP01WJ0390A10
Resistor, Wire Wound, 47R, 5%, 1W	MCKNP01WJ0470A10
Resistor, Wire Wound, 50R, 5%, 1W	MCKNP01WJ0500A10
Resistor, Wire Wound, 100R, 5%, 1W	MCKNP01WJ0101A10
Resistor, Wire Wound, 240R, 5%, 1W	MCKNP01WJ0241A10
Resistor, Wire Wound, 250R, 5%, 1W	MCKNP01WJ0251A10
Resistor, Wire Wound, 470R, 5%, 1W	MCKNP01WJ0471A10

Description	Part Number
Resistor, Wire Wound, 500R, 5%, 1W	MCKNP01WJ0501A10
Resistor, Wire Wound, 0R1, 5%, 1W	MCKNP01SJ010KA10
Resistor, Wire Wound, 0R15, 5%, 1W	MCKNP01SJ015KA10
Resistor, Wire Wound, 0R33, 5%, 1W	MCKNP01SJ033KA10
Resistor, Wire Wound, 0R4, 5%, 1W	MCKNP01SJ040KA10
Resistor, Wire Wound, 0R5, 5%, 1W	MCKNP01SJ050KA10
Resistor, Wire Wound, 0R55, 5%, 1W	MCKNP01SJ055KA10
Resistor, Wire Wound, 1R, 5%, 1W	MCKNP01SJ010JA10
Resistor, Wire Wound, 1R5, 5%, 1W	MCKNP01SJ015JA10
Resistor, Wire Wound, 1R8, 5%, 1W	MCKNP01SJ018JA10
Resistor, Wire Wound, 2R2, 5%, 1W	MCKNP01SJ022JA10
Resistor, Wire Wound, 3R3, 5%, 1W	MCKNP01SJ033JA10
Resistor, Wire Wound, 4R7, 5%, 1W	MCKNP01SJ047JA10
Resistor, Wire Wound, 5R1R, 5%, 1W	MCKNP01SJ051JA10
Resistor, Wire Wound, 5R6, 5%, 1W	MCKNP01SJ056JA10
Resistor, Wire Wound, 6R8, 5%, 1W	MCKNP01SJ068JA10
Resistor, Wire Wound, 10R, 5%, 1W	MCKNP01SJ0100A10
Resistor, Wire Wound, 12R, 5%, 1W	MCKNP01SJ0120A10
Resistor, Wire Wound, 15R, 5%, 1W	MCKNP01SJ0150A10
Resistor, Wire Wound, 18R, 5%, 1W	MCKNP01SJ0180A10
Resistor, Wire Wound, 20R, 5%, 1W	MCKNP01SJ0200A10
Resistor, Wire Wound, 22R, 5%, 1W	MCKNP01SJ0220A10
Resistor, Wire Wound, 24R, 5%, 1W	MCKNP01SJ0240A10

# Wire Wound Fixed Resistors

Description	Part Number
Resistor, Wire Wound, 27R, 5%, 1W	MCKNP01SJ0270A10
Resistor, Wire Wound, 33R, 5%, 1W	MCKNP01SJ0330A10
Resistor, Wire Wound, 39R, 5%, 1W	MCKNP01SJ0390A10
Resistor, Wire Wound, 47R, 5%, 1W	MCKNP01SJ0470A10
Resistor, Wire Wound, 56R, 5%, 1W	MCKNP01SJ0560A10
Resistor, Wire Wound, 68R, 5%, 1W	MCKNP01SJ0680A10
Resistor, Wire Wound, 100R, 5%, 1W	MCKNP01SJ0101A10
Resistor, Wire Wound, 150R, 5%, 1W	MCKNP01SJ0151A10
Resistor, Wire Wound, 220R, 5%, 1W	MCKNP01SJ0221A10
Resistor, Wire Wound, 470R, 5%, 1W	MCKNP01SJ0471A10
Resistor, Wire Wound, 0R1, 5%, 2W	MCKNP02WJ010KA19
Resistor, Wire Wound, 0R33, 5%, 2W	MCKNP02WJ033KA19
Resistor, Wire Wound, 0R47, 5%, 2W	MCKNP02WJ047KA19
Resistor, Wire Wound, 1R, 5%, 2W	MCKNP02WJ010JA19
Resistor, Wire Wound, 4R7, 5%, 2W	MCKNP02WJ047JA19
Resistor, Wire Wound, 5R6, 5%, 2W	MCKNP02WJ056JA19
Resistor, Wire Wound, 6R8, 5%, 2W	MCKNP02WJ068JA19
Resistor, Wire Wound, 10R, 5%, 2W	MCKNP02WJ0100A19
Resistor, Wire Wound, 15R, 5%, 2W	MCKNP02WJ0150A19
Resistor, Wire Wound, 22R, 5%, 2W	MCKNP02WJ0220A19
Resistor, Wire Wound, 33R, 5%, 2W	MCKNP02WJ0330A19
Resistor, Wire Wound, 68R, 5%, 2W	MCKNP02WJ0680A19
Resistor, Wire Wound, 100R, 5%, 2W	MCKNP02WJ0101A19
Resistor, Wire Wound, 120R, 5%, 2W	MCKNP02WJ0121A19
Resistor, Wire Wound, 130R, 5%, 2W	MCKNP02WJ0131A19
Resistor, Wire Wound, 200R, 5%, 2W	MCKNP02WJ0201A19
Resistor, Wire Wound, 270R, 5%, 2W	MCKNP02WJ0271A19
Resistor, Wire Wound, 1K, 5%, 2W	MCKNP02WJ0102A19
Resistor, Wire Wound, 0R1, 5%, 2W	MCKNP02SJ010KA10
Resistor, Wire Wound, 0R18, 5%, 2W	MCKNP02SJ018KA10
Resistor, Wire Wound, 0R22, 5%, 2W	MCKNP02SJ022KA10
Resistor, Wire Wound, 0R27, 5%, 2W	MCKNP02SJ027KA10
Resistor, Wire Wound, 0R33, 5%, 2W	MCKNP02SJ033KA10
Resistor, Wire Wound, 0R47, 5%, 2W	MCKNP02SJ047KA10
Resistor, Wire Wound, 0R56, 5%, 2W	MCKNP02SJ056KA10
Resistor, Wire Wound, 0R82, 5%, 2W	MCKNP02SJ082KA10
Resistor, Wire Wound, 1R, 5%, 2W	MCKNP02SJ010JA10
Resistor, Wire Wound, 1R2, 5%, 2W	MCKNP02SJ012JA10

Description	Part Number
Resistor, Wire Wound, 1R5, 5%, 2W	MCKNP02SJ015JA10
Resistor, Wire Wound, 2R2, 5%, 2W	MCKNP02SJ022JA10
Resistor, Wire Wound, 3R3, 5%, 2W	MCKNP02SJ033JA10
Resistor, Wire Wound, 3R9, 5%, 2W	MCKNP02SJ039JA10
Resistor, Wire Wound, 4R7, 5%, 2W	MCKNP02SJ047JA10
Resistor, Wire Wound, 5R1, 5%, 2W	MCKNP02SJ051JA10
Resistor, Wire Wound, 6R8, 5%, 2W	MCKNP02SJ068JA10
Resistor, Wire Wound, 8R2, 5%, 2W	MCKNP02SJ082JA10
Resistor, Wire Wound, 10R, 5%, 2W	MCKNP02SJ0100A10
Resistor, Wire Wound, 12R, 5%, 2W	MCKNP02SJ0120A10
Resistor, Wire Wound, 20R, 5%, 2W	MCKNP02SJ0200A10
Resistor, Wire Wound, 22R, 5%, 2W	MCKNP02SJ0220A10
Resistor, Wire Wound, 24R, 5%, 2W	MCKNP02SJ0240A10
Resistor, Wire Wound, 30R, 5%, 2W	MCKNP02SJ0300A10
Resistor, Wire Wound, 33R, 5%, 2W	MCKNP02SJ0330A10
Resistor, Wire Wound, 39R, 5%, 2W	MCKNP02SJ0390A10
Resistor, Wire Wound, 47R, 5%, 2W	MCKNP02SJ0470A10
Resistor, Wire Wound, 51R, 5%, 2W	MCKNP02SJ0510A10
Resistor, Wire Wound, 56R, 5%, 2W	MCKNP02SJ0560A10
Resistor, Wire Wound, 68R, 5%, 2W	MCKNP02SJ0680A10
Resistor, Wire Wound, 75R, 5%, 2W	MCKNP02SJ0750A10
Resistor, Wire Wound, 82R, 5%, 2W	MCKNP02SJ0820A10
Resistor, Wire Wound, 100R, 5%, 2W	MCKNP02SJ0101A10
Resistor, Wire Wound, 120R, 5%, 2W	MCKNP02SJ0121A10
Resistor, Wire Wound, 150R, 5%, 2W	MCKNP02SJ0151A10
Resistor, Wire Wound, 180R, 5%, 2W	MCKNP02SJ0181A10
Resistor, Wire Wound, 200R, 5%, 2W	MCKNP02SJ0201A10
Resistor, Wire Wound, 470R, 5%, 2W	MCKNP02SJ0471A10
Resistor, Wire Wound, 0R1, 5%, 3W	MCKNP03WJ010KAA9
Resistor, Wire Wound, 0R15, 5%, 3W	MCKNP03WJ015KAA9
Resistor, Wire Wound, 0R22, 5%, 3W	MCKNP03WJ022KAA9
Resistor, Wire Wound, 1R, 5%, 3W	MCKNP03WJ010JAA9
Resistor, Wire Wound, 5R, 5%, 3W	MCKNP03WJ050JAA9
Resistor, Wire Wound, 5R6, 5%, 3W	MCKNP03WJ056JAA9
Resistor, Wire Wound, 6R8, 5%, 3W	MCKNP03WJ068JAA9
Resistor, Wire Wound, 10R, 5%, 3W	MCKNP03WJ0100AA9
Resistor, Wire Wound, 18R, 5%, 3W	MCKNP03WJ0180AA9
Resistor, Wire Wound, 33R, 5%, 3W	MCKNP03WJ0330AA9

# Wire Wound Fixed Resistors

Description	Part Number
Resistor, Wire Wound, 39R, 5%, 3W	MCKNP03WJ0390AA9
Resistor, Wire Wound, 47R, 5%, 3W	MCKNP03WJ0470AA9
Resistor, Wire Wound, 51R, 5%, 3W	MCKNP03WJ0510AA9
Resistor, Wire Wound, 100R, 5%, 3W	MCKNP03WJ0101AA9
Resistor, Wire Wound, 220R, 5%, 3W	MCKNP03WJ0221AA9
Resistor, Wire Wound, 390R, 5%, 3W	MCKNPS3WJ0391AA9
Resistor, Wire Wound, 470R, 5%, 3W	MCKNP03WJ0471AA9
Resistor, Wire Wound, 1K, 5%, 3W	MCKNP03WJ0102AA9
Resistor, Wire Wound, 0.1R, 5%, 3W	MCKNP03UJ010KB00
Resistor, Wire Wound, 0.2R, 5%, 3W	MCKNP03UJ020KB00
Resistor, Wire Wound, 0.5R, 5%, 3W	MCKNP03UJ050KB00
Resistor, Wire Wound, 1R, 5%, 3W	MCKNP03UJ010JB00
Resistor, Wire Wound, 2R, 5%, 3W	MCKNP03UJ020JB00
Resistor, Wire Wound, 5R, 5%, 3W	MCKNP03UJ050JB00
Resistor, Wire Wound, 10R, 5%, 3W	MCKNP03UJ0100B00
Resistor, Wire Wound, 25R, 5%, 3W	MCKNP03UJ0250B00
Resistor, Wire Wound, 40R, 5%, 3W	MCKNP03UJ0400B00
Resistor, Wire Wound, 50R, 5%, 3W	MCKNP03UJ0500B00
Resistor, Wire Wound, 75R, 5%, 3W	MCKNP03UJ0750B00
Resistor, Wire Wound, 100R, 5%, 3W	MCKNP03UJ0101B00
Resistor, Wire Wound, 120R, 5%, 3W	MCKNP03UJ0121B00
Resistor, Wire Wound, 200R, 5%, 3W	MCKNP03UJ0201B00
Resistor, Wire Wound, 220R, 5%, 3W	MCKNP03UJ0221B00
Resistor, Wire Wound, 250R, 5%, 3W	MCKNP03UJ0251B00
Resistor, Wire Wound, 300R, 5%, 3W	MCKNP03UJ0301B00
Resistor, Wire Wound, 330R, 5%, 3W	MCKNP03UJ0331B00
Resistor, Wire Wound, 400R, 5%, 3W	MCKNP03UJ0401B00
Resistor, Wire Wound, 470R, 5%, 3W	MCKNP03UJ0471B00
Resistor, Wire Wound, 500R, 5%, 3W	MCKNP03UJ0501B00
Resistor, Wire Wound, 1K, 5%, 3W	MCKNP03UJ0102B00
Resistor, Wire Wound, 1K2, 5%, 3W	MCKNP03UJ0122B00
Resistor, Wire Wound, 1K5, 5%, 3W	MCKNP03UJ0152B00
Resistor, Wire Wound, 2K, 5%, 3W	MCKNP03UJ0202B00
Resistor, Wire Wound, 3K, 5%, 3W	MCKNP03UJ0302B00
Resistor, Wire Wound, 4K, 5%, 3W	MCKNP03UJ0402B00
Resistor, Wire Wound, 5K, 5%, 3W	MCKNP03UJ0502B00
Resistor, Wire Wound, 0R1, 5%, 3W	MCKNP03SJ010KA19
Resistor, Wire Wound, 0R14, 5%, 3W	MCKNP03SJ014KA19

Description	Part Number
Resistor, Wire Wound, 0R15, 5%, 3W	MCKNP03SJ015KA19
Resistor, Wire Wound, 0R16, 5%, 3W	MCKNP03SJ016KA19
Resistor, Wire Wound, 0R18, 5%, 3W	MCKNP03SJ018KA19
Resistor, Wire Wound, 0R22, 5%, 3W	MCKNP03SJ022KA19
Resistor, Wire Wound, 0R24, 5%, 3W	MCKNP03SJ024KA19
Resistor, Wire Wound, 0R27, 5%, 3W	MCKNP03SJ027KA19
Resistor, Wire Wound, 0R33, 5%, 3W	MCKNP03SJ033KA19
Resistor, Wire Wound, 0R47, 5%, 3W	MCKNP03SJ047KA19
Resistor, Wire Wound, 0R56, 5%, 3W	MCKNP03SJ056KA19
Resistor, Wire Wound, 0R68, 5%, 3W	MCKNP03SJ068KA19
Resistor, Wire Wound, 1R, 5%, 3W	MCKNP03SJ010JA19
Resistor, Wire Wound, 1R5, 5%, 3W	MCKNP03SJ015JA19
Resistor, Wire Wound, 2R2, 5%, 3W	MCKNP03SJ022JA19
Resistor, Wire Wound, 2R7, 5%, 3W	MCKNP03SJ027JA19
Resistor, Wire Wound, 3R3, 5%, 3W	MCKNP03SJ033JA19
Resistor, Wire Wound, 3R9, 5%, 3W	MCKNP03SJ039JA19
Resistor, Wire Wound, 4R7, 5%, 3W	MCKNP03SJ047JA19
Resistor, Wire Wound, 10R, 5%, 3W	MCKNP03SJ0100A19
Resistor, Wire Wound, 15R, 5%, 3W	MCKNP03SJ0150A19
Resistor, Wire Wound, 22R, 5%, 3W	MCKNP03SJ0220A19
Resistor, Wire Wound, 27R, 5%, 3W	MCKNP03SJ0270A19
Resistor, Wire Wound, 30R, 5%, 3W	MCKNP03SJ0300A19
Resistor, Wire Wound, 33R, 5%, 3W	MCKNP03SJ0330A19
Resistor, Wire Wound, 39R, 5%, 3W	MCKNP03SJ0390A19
Resistor, Wire Wound, 47R, 5%, 3W	MCKNP03SJ0470A19
Resistor, Wire Wound, 56R, 5%, 3W	MCKNP03SJ0560A19
Resistor, Wire Wound, 68R, 5%, 3W	MCKNP03SJ0680A19
Resistor, Wire Wound, 100R, 5%, 3W	MCKNP03SJ0101A19
Resistor, Wire Wound, 200R, 5%, 3W	MCKNP03SJ0201A19
Resistor, Wire Wound, 220R, 5%, 3W	MCKNP03SJ0221A19
Resistor, Wire Wound, 330R, 5%, 3W	MCKNP03SJ0331A19
Resistor, Wire Wound, 0R1, 5%, 5W	MCKNP05SJ010KAA9
Resistor, Wire Wound, 0R12, 5%, 5W	MCKNP05SJ012KAA9
Resistor, Wire Wound, 0R15, 5%, 5W	MCKNP05SJ015KAA9
Resistor, Wire Wound, 0R18, 5%, 5W	MCKNP05SJ018KAA9
Resistor, Wire Wound, 0R2, 5%, 5W	MCKNP05SJ020KAA9
Resistor, Wire Wound, 0R22, 5%, 5W	MCKNP05SJ022KAA9
Resistor, Wire Wound, 0R27, 5%, 5W	MCKNP05SJ027KAA9

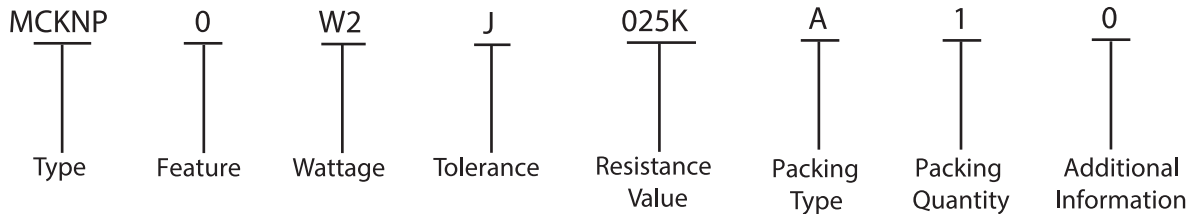
# Wire Wound Fixed Resistors

Description	Part Number
Resistor, Wire Wound, 0R33, 5%, 5W	MCKNP05SJ033KAA9
Resistor, Wire Wound, 0R39, 5%, 5W	MCKNP05SJ039KAA9
Resistor, Wire Wound, 0R47, 5%, 5W	MCKNP05SJ047KAA9
Resistor, Wire Wound, 0R5, 5%, 5W	MCKNP05SJ050KAA9
Resistor, Wire Wound, 0R56, 5%, 5W	MCKNP05SJ056KAA9
Resistor, Wire Wound, 0R68, 5%, 5W	MCKNP05SJ068KAA9
Resistor, Wire Wound, 0R82, 5%, 5W	MCKNP05SJ082KAA9
Resistor, Wire Wound, 1R, 5%, 5W	MCKNP05SJ010JAA9
Resistor, Wire Wound, 1R2, 5%, 5W	MCKNP05SJ012JAA9
Resistor, Wire Wound, 1R5, 5%, 5W	MCKNP05SJ015JAA9
Resistor, Wire Wound, 1R8, 5%, 5W	MCKNP05SJ018JAA9
Resistor, Wire Wound, 2R, 5%, 5W	MCKNP05SJ020JAA9
Resistor, Wire Wound, 2R2, 5%, 5W	MCKNP05SJ022JAA9
Resistor, Wire Wound, 2R7, 5%, 5W	MCKNP05SJ027JAA9
Resistor, Wire Wound, 3R3, 5%, 5W	MCKNP05SJ033JAA9
Resistor, Wire Wound, 3R9, 5%, 5W	MCKNP05SJ039JAA9
Resistor, Wire Wound, 4R7, 5%, 5W	MCKNP05SJ047JAA9
Resistor, Wire Wound, 5R6, 5%, 5W	MCKNP05SJ056JAA9
Resistor, Wire Wound, 6R8, 5%, 5W	MCKNP05SJ068JAA9
Resistor, Wire Wound, 8R2, 5%, 5W	MCKNP05SJ082JAA9
Resistor, Wire Wound, 10R, 5%, 5W	MCKNP05SJ0100AA9
Resistor, Wire Wound, 12R, 5%, 5W	MCKNP05SJ0120AA9
Resistor, Wire Wound, 15R, 5%, 5W	MCKNP05SJ0150AA9
Resistor, Wire Wound, 18R, 5%, 5W	MCKNP05SJ0180AA9
Resistor, Wire Wound, 20R, 5%, 5W	MCKNP05SJ0200AA9
Resistor, Wire Wound, 22R, 5%, 5W	MCKNP05SJ0220AA9
Resistor, Wire Wound, 27R, 5%, 5W	MCKNP05SJ0270AA9
Resistor, Wire Wound, 33R, 5%, 5W	MCKNP05SJ0330AA9
Resistor, Wire Wound, 39R, 5%, 5W	MCKNP05SJ0390AA9
Resistor, Wire Wound, 47R, 5%, 5W	MCKNP05SJ0470AA9
Resistor, Wire Wound, 56R, 5%, 5W	MCKNP05SJ0560AA9
Resistor, Wire Wound, 68R, 5%, 5W	MCKNP05SJ0680AA9
Resistor, Wire Wound, 75R, 5%, 5W	MCKNP05SJ0750AA9

Description	Part Number
Resistor, Wire Wound, 82R, 5%, 5W	MCKNP05SJ0820AA9
Resistor, Wire Wound, 100R, 5%, 5W	MCKNP05SJ0101AA9
Resistor, Wire Wound, 120R, 5%, 5W	MCKNP05SJ0121AA9
Resistor, Wire Wound, 150R, 5%, 5W	MCKNP05SJ0151AA9
Resistor, Wire Wound, 180R, 5%, 5W	MCKNP05SJ0181AA9
Resistor, Wire Wound, 200R, 5%, 5W	MCKNP05SJ0201AA9
Resistor, Wire Wound, 220R, 5%, 5W	MCKNP05SJ0221AA9
Resistor, Wire Wound, 270R, 5%, 5W	MCKNP05SJ0271AA9
Resistor, Wire Wound, 330R, 5%, 5W	MCKNP05SJ0331AA9
Resistor, Wire Wound, 470R, 5%, 5W	MCKNP05SJ0471AA9
Resistor, Wire Wound, 1K, 5%, 5W	MCKNP05SJ0102AA9
Resistor, Wire Wound, 3R3R, 5%, 7W	MCKNP07SJ033JB00
Resistor, Wire Wound, 5R, 5%, 7W	MCKNP07SJ050JB00
Resistor, Wire Wound, 10R, 5%, 7W	MCKNP07SJ0100B00
Resistor, Wire Wound, 27R, 5%, 7W	MCKNP07SJ0270B00
Resistor, Wire Wound, 33R, 5%, 7W	MCKNP07SJ0330B00
Resistor, Wire Wound, 100R, 5%, 7W	MCKNP07SJ0101B00
Resistor, Wire Wound, 150R, 5%, 7W	MCKNP07SJ0151B00
Resistor, Wire Wound, 1R, 7W, 1%	MCKNP07SF100KB00
Resistor, Wire Wound, 10R, 7W, 1%	MCKNP07SF100JB00
Resistor, Wire Wound, 50R, 7W, 1%	MCKNP07SF500JB00
Resistor, Wire Wound, 100R, 7W, 1%	MCKNP07SF1000B00
Resistor, Wire Wound, 150R, 7W, 1%	MCKNP07SF1500B00
Resistor, Wire Wound, 200R, 7W, 1%	MCKNP07SF2000B00
Resistor, Wire Wound, 250R, 7W, 1%	MCKNP07SF2500B00
Resistor, Wire Wound, 3.3R, 5%, 10W	MCKNP0ASJ033JB00
Resistor, Wire Wound, 10R, 5%, 10W	MCKNP0ASJ0100B00
Resistor, Wire Wound, 1R, 1%, 10W	MCKNP0ASF100KB00
Resistor, Wire Wound, 2R, 1%, 10W	MCKNP0ASF200KB00
Resistor, Wire Wound, 10R, 1%, 10W	MCKNP0ASF100JB00
Resistor, Wire Wound, 15R, 1%, 10W	MCKNP0ASF150JB00
Resistor, Wire Wound, 30R, 1%, 10W	MCKNP0ASF300JB00
Resistor, Wire Wound, 100R, 1%, 10W	MCKNP0ASF1000B00

# Wire Wound Fixed Resistors

## Part Number Explanation:



- Type** : MCKNP = MCKNP
- Feature** : 0 = Standard
- Wattage** : Normal : W2 = 1/2 W, 1W = 1 W  
Small : 1S = 1 W-S, AS = 10 W-S  
Extra Small : 3U = 3 W-SS
- Tolerance** : J =  $\pm 5\%$ , F =  $\pm 1\%$
- Resistance Value** : E - 24 Series:  
1st digit is "0" 2nd and 3rd digits are the significant figures of the resistance  
4th indicates the number of zeros : "J" to 0.1, "K" to 0.01  
Ex.: 4.7  $\Omega$  to 47 J, 4.7 K $\Omega$  to 472  
E - 96 Series:  
1st to 3rd digits are the significant figures of the resistance and the 4th digit indicates the number of zeros  
Ex.: 1.33K = 1331
- Packing Type** : A = Tape / Box, B = Bulk / Box.
- Packing Quantity** : 1 = 1,000 pieces, A = 500 pieces and 0 = Bulk / Box
- Additional Information** : 0 = PT-52 mm, PT-26 mm, 9 = PT-64 mm.

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