

**BRAND INDIA ENGINEERING
E-CATALOGUE**

Date: 23-02-2025

KIYOSH ELECTRONICS

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Established in the year 1979, “Kiyosh Electronics” has established itself as one of the most renowned manufacturer supplier of a Wide Range of Wire Wound Resistors. Design using premium grade components and parts, these products are comprehensively admired for their quality performance, optimum efficiency and long service life. We have always adhered to the strict quality policies to offer our customers an unmatched range of products. Our technologically sound infrastructure is provided with the most technologically advanced facilities to develop our products in compliance with the customer’s requirements. We encompass a team of dexterous professionals, who possess massive experience in their respective field along with an in-depth knowledge to bring forth a qualitative spectrum of products. Owing to our strong financial position, ethical business practices and comprehensive product line, we have achieved paramount client satisfaction. Our entire business operations are handled by a dedicated & experienced Management team, under guidance & close supervision of our Mentor & Technocrat ‘Mr. Yogesh Goradia’ having tab on activities & latest technical as well as commercial developments in global market. His sharp business skills and an un-deviating urge to satisfy customers have enabled us to achieve such a huge professional growth.

[Products Description](#)

BRAND INDIA ENGINEERING E-CATALOGUE

SRI & SRP

Technical Details

- Ohmic Range: 0.1 Ω to 300K Ω (Std. Resistances from E-24 Series. Other Resistances available on request) - Tolerance: Standard – 5%. (1%, 2% Available On Request) - Power Ratings: 5W To 1000W - Temperature Coefficient: Low Value – ± 50 ppm 0.1 Ω to 9.1 Ω ; Middle Value – ± 50 ppm 10 Ω to 910 Ω ; High Value – ± 150 ppm 1K and above.

ITC HS Codes

85332919

Certification/ Standard

IS

Issuing Agency


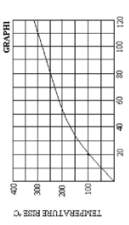
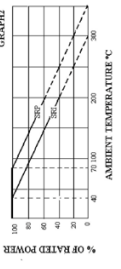
Date of Issue

12-07-2017

Date of Expiry

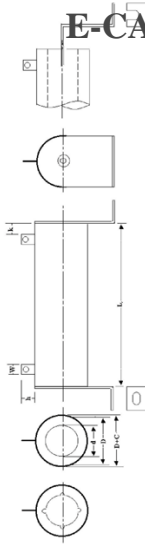
End Use Sectors

Product Images

<p>SRI / SRP</p> 	<p>FEATURES:</p> <ul style="list-style-type: none"> Spot Welded Joints for Reliability Low Temperature Coefficient Exceptional Stability And Performance Low Surface Temperature Industrial And Professional Grade Available <p>FEATURES:</p> <ul style="list-style-type: none"> Non-Inductive Type Available Fixed Taps And Adjustable Taps Available Custom Designed Resistor Assemblies Are Available On Request Brackets Available For Horizontal As Well As Vertical Mounting. Flame Proof Silicon Coating Available on demand. Professional Grade Available As Per IS 50492 & IS 8909 (PART III)-1978.
<p>ALUMINUM SILICON COATED WIRE WOUND RESISTOR WITH RADIAL TAGS OR WIRE</p>	<p>SPECIFICATIONS:</p> <ul style="list-style-type: none"> OHMIC RANGE : 0.1Ω To 300KΩ Std. Resistance from E-24 Series. Other Resistances available on request. TOLERANCE : Standard 5%, 1%, 2% Available On Request POWER RATINGS (BASED ON 40$^{\circ}$C) : 5W To 1000W TEMPERATURE COEFFICIENT : Low Value : ± 50ppm 0.1Ω to 9.1Ω Middle Value : ± 50ppm 10Ω to 910Ω High Value : ± 150ppm 1K and above Other ppm available on request SURFACE TEMPERATURE : 300$^{\circ}$C max at 40$^{\circ}$C DERATE AT ZERO : 0.340$^{\circ}$C for SRI series and at 50$^{\circ}$C for SRP series OPERATING TEMPERATURE : 10$^{\circ}$C to 200$^{\circ}$C (Based on indicated creepage distance (k in table) from terminals to mounting bracket. Slim: 100V; 6mm: 720V) INSULATING VOLTAGE : Based on indicated creepage distance (k in table) from terminals to mounting bracket. Slim: 100V; 6mm: 720V
<p>MARKINGS EXAMPLE</p> <p>BRAND:----- KIVOSH 0428 ----- DATE CODE</p> <p>OHMIC VALUE:--100Ω 45 % 100W ----- WATTAGE</p> <p>TYPE ----- SRI-100 N ----- TOLERANCE</p> <p>CODE NO -----50667 ----- NON INDUCTIVE</p>	<p>DERATING</p> <ul style="list-style-type: none"> For Efficient And Long Life Operation, These Resistors Should Be Derated By More Than 50%. Operating Temperature Range -55 to +200$^{\circ}$C. Derating Necessary For High Ambient Temperatures As Shown In Graph.2
<p>TEMPERATURE RISE AT CONSTANT LOAD</p> 	<p>GRAPH 2</p>  <p>DERATING: 100% @ 40$^{\circ}$C TO 0% @ 300$^{\circ}$C FOR SRI 100% @ 70$^{\circ}$C TO 0% @ 350$^{\circ}$C FOR SRP</p>
<p>MATERIALS USED:</p> <ul style="list-style-type: none"> CORE : Ceramic Core TERMINALS : Brass Terminals (SS Terminals And Brass Screw Nut Terminal On Request) WIRE : Cu-Ni Or Ni-Cr Alloy COATING : Silicon Varnish 	<p>DERATING</p> <ul style="list-style-type: none"> For Efficient And Long Life Operation, These Resistors Should Be Derated By More Than 50%. Operating Temperature Range -55 to +200$^{\circ}$C. Derating Necessary For High Ambient Temperatures As Shown In Graph.2

BRAND INDIA ENGINEERING

E-CATALOGUE



ELECTRICAL SPECIFICATIONS		DIMENSIONS in mm							
WATTS AT 40°C	TYPE DESIGNATION	RESISTANCE RANGE	INDUSTRIAL GRADE SERIES			PROFESSIONAL GRADE SERIES (as per ISS 50402 and IS 8909 (PART III)-1978)			
			L ± 3	D ± 1	d min	D ± 1	d min	h ± 3	k min
5	SRI 5	0.1Ω - 30K	30	8	4	10	4	8	8
10	SRI 10	0.1Ω - 62K	40	12	7	15	5	10	2
12	SRI 12	0.1Ω - 68K	50	12	7	15	5	10	2
15	SRI 15	0.1Ω - 100K	63	16	8	19	6	15	2
20	SRI 20	0.1Ω - 100K	63	16	8	19	6	15	2
25	SRI 25	0.1Ω - 120K	75	16	8	19	6	15	2
30	SRI 30	0.1Ω - 150K	100	16	8	19	6	15	2
40	SRI 40	0.1Ω - 200K	100	19	12	22	6	15	6
50	SRI 50	0.1Ω - 250K	125	19	12	22	6	15	6
75	SRI 75	0.1Ω - 300K	165	19	12	22	6	15	6
100	SRI 100	1Ω - 300K	150	30	19	33	8	20	8
120	SRI 120	1Ω - 300K	165	30	19	33	8	20	8
150	SRI 150	1Ω - 300K	200	30	19	33	8	20	8
200	SRI 200	1Ω - 300K	250	30	19	33	8	20	8
250	SRI 250	1Ω - 300K	300	30	19	33	8	20	8
300	SRI 300	1Ω - 300K	300	37	19	40	10	25	10
400	SRI 400	1Ω - 300K	300	45	32	50	10	25	10
500	SRI 500	1Ω - 300K	300	45	32	50	10	25	10
800	SRI 800	1Ω - 300K	555	50	35	54	10	25	10
1000	SRI 1000	1Ω - 300K	555	60	40	64	14	25	14
10	SRP 10	0.1Ω - 30K	27	12	7	15	5	10	2
15	SRP 15	0.1Ω - 62K	40	12	7	15	5	10	2
25	SRP 25	0.1Ω - 100K	78	12	7	15	5	10	5
50	SRP 50	0.1Ω - 300K	102	25	14	29	8	15	8
100	SRP 100	1Ω - 300K	150	28	19	33	8	20	8
140	SRP 140	1Ω - 300K	200	30	19	33	8	20	8
180	SRP 180	1Ω - 300K	250	30	19	33	8	20	8

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SRR

Technical Details

- Ohmic Range:0.1E To 300K (Std. Resistances from E-24 Series. Other Resistances available on request) - Tolerance:Standard-5%. (1%, 2% Available On Request) - Power Ratings (Based on 40° C):5W To 600W (Higher wattage Available On Request) - Temperature Coefficient : Low Value – 0.21c±50ppm 0.1? to 9.1; Medium Value – 0.21cm; }±50ppm 10 to 910 ; High Value – }±150ppm 1K and above; other ppm available on request - Temperature Coefficient:300° C max at 40° C. - Derate at Zero:At 300° C for SRR series. - Overload:10 times the wattage applied for 5 seconds - Operating Temperature:-55° C to 200° C - Dielectric Voltage:Based on indicated creepage distance (k in table) from terminals to mounting bracket. 2 & 2.5mm:500V; 4&5mm: 1000V; 6mm: 1200V (Higher on request).

ITC HS Codes	85332919
Certification/ Standard	IS
Issuing Agency	---
Date of Issue	12-07-2017
Date of Expiry	12-07-2027
End Use Sectors	Furnace Industry, Automation, Switch Gear Industry

BRAND INDIA ENGINEERING

E-CATALOGUE

Product Images

SRR
(SIZES OTHER THAN SRR/SRR)

ADIOSIL SILICON COATED WIRE WOUND RESISTOR WITH RADIAL TAGS

Features:

- Spot Welded Joints For Reliability
- Low Temperature Coefficient
- Exceptional Stability And Performance
- Low Surface Temperature
- Industrial And Professional Grade Available

FEATURES:

- Non-Inductive Type Available
- Fixed Taps And Adjustable Tags Available
- Custom Designed Resistor Assemblies Are Available On Request
- Brackets Available For Horizontal as Well As Vertical Mounting
- Flame Proof Silicon Coating Available.

SPECIFICATIONS:

- OHMIC RANGE : 0.1Ω To 300KΩ (Std. Resistances from E-24 Series, Other Resistances Available on request).
- TOLERANCE : Standard-5%, (1%, 2% Available On Request)
- POWER RATINGS (BASED ON 40°C) : 5W To 600W (Higher wattage Available On Request)
- TEMPERATURE COEFFICIENT : ±50ppm/100°C to ±100ppm/100°C
- TEMPERATURE COEFFICIENT : High Value : ±150ppm/100°C and above
- Other ppm available on request
- SURFACE TEMPERATURE : At 300°C for SRR series
- DERATE FACTOR : 10 times the wattage applied for 5 seconds
- OPERATING TEMPERATURE : -55°C to 200°C
- DIELECTRIC VOLTAGE : Based on indicated creepage distance (k in table) from terminals to mounting bracket, 2.0kV, 3.0kV, 5.0kV, 10.0kV, 15.0kV, 20.0kV

MATERIALS USED:

- CORE : Ceramic Core
- TERMINALS : Brass Terminals (SS Terminals And Brass Screw Nut Terminal On Request)
- WIRE : Cu-Ni Or Ni-Cr Alloy
- COATING : Silicon Varnish

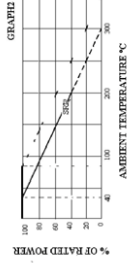
MARKINGS EXAMPLE

BRAND-----KIYOSH 0428-----DATE CODE
OHMIC VALUE -- 100Ω 45 % 100W -----WATTAGE
-----TOLERANCE
TYPE-----SRR-100 NI-----NON INDUCTIVE
CODE NO -----50667


DERATING

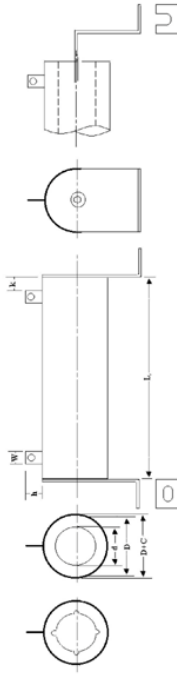
- For Efficient And Long Life Operation, These Resistors Should Be Derated By More Than 50%.
- Operating Temperature Range -55 to +200°C.
- Derating Necessary For High Ambient Temperatures As Shown In Graph.

DERATING: 100% @ 40° C TO 0% @ 300° C FOR SRR



TEMPERATURE RISE AT CONSTANT LOAD





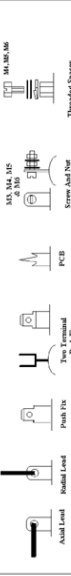
DIMENSIONS in mm

WATTS AT 40°C	TYPE DESIGNATION	RESISTANCE RANGE	L ± 3	D ± 1	d min	D+C max	W ± 1	h ± 3	k min
10	SRR 10	0.1Ω - 68K	45	10	4	13	5	10	2
25	SRR 25	0.1Ω - 120K	50	14	7	17	6	15	2
30	SRR 30	0.1Ω - 150K	85	16	9	19	6	15	2.5
40	SRR 40	0.1Ω - 200K	115	16	9	19	6	15	2.5
50	SRR 50	0.1Ω - 250K	125	16	9	19	6	15	2.5
60	SRR 60	0.1Ω - 270K	115	19	12	22	6	15	2.5
75	SRR 75	0.1Ω - 300K	92	30	19	33	8	20	4
100	SRR 100	1Ω - 300K	100	30	19	33	8	20	4
120	SRR 120	1Ω - 300K	100	37	19	40	8	20	4
150	SRR 150	1Ω - 300K	150	37	19	40	8	20	4
165	SRR 165	1Ω - 300K	165	37	19	40	8	20	4
200	SRR 200	1Ω - 300K	200	37	19	40	8	20	4
250	SRR 250	1Ω - 300K	250	37	19	40	8	20	4
225	SRR 265	1Ω - 300K	265	30	19	33	8	20	4
300	SRR 300	1Ω - 300K	200	45	32	50	10	25	5
400	SRR 400	1Ω - 300K	300	45	32	50	10	25	5
500	SRR 500	1Ω - 300K	300	50	35	54	10	25	5
600	SRR 600	1Ω - 300K	355	60	40	64	14	25	6

BRAND INDIA ENGINEERING

<ul style="list-style-type: none"> The resistors with wattage and dimensions other than specified above can also be supplied. Lower as well as higher values than specified can also be supplied. Different types of lead banks can also be designed as per the specifications required by the customer. A window can be provided on the resistor. A movable tag can be provided on the window so that the user can vary the resistance as desired. Non-inductive resistors can be manufactured on request, for use in high frequency circuits. Non-inductive resistances can be manufactured using Ayrton-Perry type winding and Reverse Pi type winding. In addition to fixed type and adjustable type, fixed tapped resistors are also available for use as voltage dividers. Different terminals can be provided on the same ceramic core with different resistance values that act as separate resistors. The creepage distance (K), Using a ceramic/mica washer for mounting can increase the creepage. 	<p>RECOMMENDATIONS FOR USE</p> <p>MEASUREMENT : For low ohmic values, 4-wire measurement is recommended.</p> <p>MOUNTING : (a) For horizontal mountings, the slip shackles with stud nuts and washers available for all sizes. (b) For vertical mountings, "Z" slip shackles available for 10W to 250W.</p> <p>CABINET MOUNTING GROUP : (a) Unventilated box: Dissipation should be reduced using Graph 2. (b) Forced ventilation: If conditions are appropriate, dissipation can be doubled.</p> <p>MOUNTING GENERAL CONDITION : In a still atmosphere a distance between axes should be equal to five to six times the resistor diameter.</p> <p>OVERLOAD : In any case the surface temperature at the hottest point should not exceed 275°C.</p> <p>ADJUSTABLE : Heavy overloads can be endured in the form of short pulses for less than 0.1 seconds. Particular cases must be submitted to KIYOSH, specifying peak voltage, cycle, and duty.</p> <p>ADJUSTABLE : 1. Very high values of resistance are not recommended for the adjustable type. 2. To move the adjustable band, the following steps must be followed. <ul style="list-style-type: none"> Turn off the current in order to avoid operator injury and damage to the unit. Loosen the band until it slides freely without touching the exposed wire in the window provided on the resistance. Once the desired resistance has been achieved, tighten the band only slightly so as to get a firm contact on the wire. Tightening the band beyond this point may cause damage to the resistance. </p> <p>3. Overloading to any section of the resistor can be avoided by not exceeding the maximum rated current.</p> <p>4. The wattage rating as shown can be applied only when the entire resistance is connected.</p> <p>5. The wattage rating on the resistor is directly proportional to the length of the resistor used.</p>
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Different types of terminals that can be provided on the resistor are shown below



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SRF

Technical Details

- Ohmic Range: 0.1Ω To 300KΩ (Std. Resistances from E-24 Series. Other Resistances available on request) - Tolerance: ±3%, ±2%, ±1% - Power Ratings (Based on 40° C): 30W To 120W - Temperature Coefficient: ±50ppm - Surface Temperature: 350° C max at 40° C - Derate at Zero: At 350° C - Overload: 10 times the wattage applied for 5 seconds - Operating Temperature: -55° C to 200° C - Dielectric Voltage: 1000V from mounting terminals to hardware

ITC HS Codes

85332919

Certification/ Standard

IS

Issuing Agency

Date of Issue

12-07-2017

Date of Expiry


12-07-2027

End Use Sectors

Furnace Industry, Automation, Switch Gear Industry

BRAND INDIA ENGINEERING
E-CATALOGUE

Product Images



KIYOSH SILICON COATED FLAT WIRE WOUND RESISTOR

SRF

Features:

- Custom Designed Resistor Assemblies Are Available On Request
- Spot Welded/Brazed Joints For Reliability
- Low Temperature Coefficient Of Resistance
- Exceptional Stability and Performance.

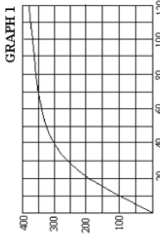
Specifications:

- OHMIC RANGE : 0.1Ω TO 300KΩ (Std. Resistances from E-24 Series, Other Resistances available on request).
- TOLERANCE : ±5%, ±3%, ±2%, ±1%
- TEMPERATURE RANGE (BASED ON 40° C) : 50° K TO 120° K
- TEMPERATURE COEFFICIENT : 500 PPM
- SURFACE TEMPERATURE : 350° C max. at 40° C.
- DERATE AT ZERO : At 350° C.
- OVERLOAD : 10 times the wattage applied for 5 seconds
- OPERATING TEMPERATURE : -55° C to 200° C
- DIELECTRIC VOLTAGE : 1000V from mounting terminals to hardware.

MATERIALS USED

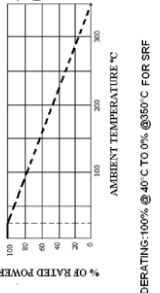
- CORE : Ceramics
- TERMINALS : Cu-Si; Or Ni-Cr; Alloy Wire or Strip
- WIRE : Silicon Varnish with heat conductive fillers.
- COATING : Silicon Varnish with heat conductive fillers.

GRAPH 1



TEMPERATURE RISE AT CONSTANT LOAD

GRAPH 2



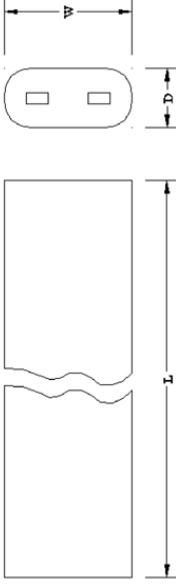
DERATING-100% @ 40° C TO 0% @ 350° C FOR SRF

DERATING

- For Efficient And Long Life Operation, These Resistors Should Be Derated By More Than 50%.
- Operating Temperature Range -55 to +200° C.
- Derating Necessary For High Ambient Temperatures As Shown In Graph 2

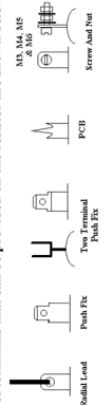
MARKINGS EXAMPLE

BRAND..... KIYOSH 0428DATE CODE
OHMIC VALUE -- 4E7 ±5 % 90WWATTAGE
..... TOLERANCE
TYPE..... SRF-150 NI --- NON-INDUCTIVE
CODE NO64500



ELECTRICAL SPECIFICATIONS		DIMENSIONS in mm			
WATTS AT 40°C	TYPE DESIGNATION	RESISTANCE RANGE	L ± 3	D ± 2	W ± 2
30	SRF-50	0.1Ω - 150K	50	10	28
45	SRF-75	0.1Ω - 200K	75	10	28
55	SRF-90	0.1Ω - 220K	90	10	28
60	SRF-100	0.1Ω - 250K	100	10	28
90	SRF-150	0.1Ω - 250K	150	10	28
120	SRF-200	0.1Ω - 300K	200	10	28

Different types of terminals that can be provided on the resistor are shown below



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BRAND INDIA ENGINEERING E-CATALOGUE

Technical Details

- Ohmic Range: 0.05 Ω To 30 Ω (Std. Resistances from E-24 Series. Other Resistances available on request) - Tolerance: $\pm 5\%$. - Power Rating (Based on 25 $^{\circ}$ C): 35W To 1500W - Temperature Coefficient: ± 50 ppm - Surface Temperature: 350 $^{\circ}$ C max at 25 $^{\circ}$ C - Derate at Zero: At 350 $^{\circ}$ C - Overload: 10 times the wattage applied for 5 seconds - Operating Temperature: -55 $^{\circ}$ C to 200 $^{\circ}$ C - Dielectric Voltage: Based on indicated creepage distance (k in table) from terminals to mounting bracket. 5mm: 1000V; 6mm: 1200V (higher on request).

ITC HS Codes

85332919

Certification/ Standard

IS


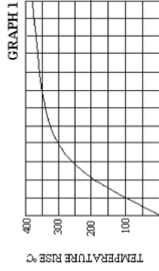
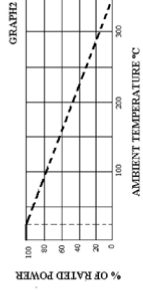
Issuing Agency

Date of Issue

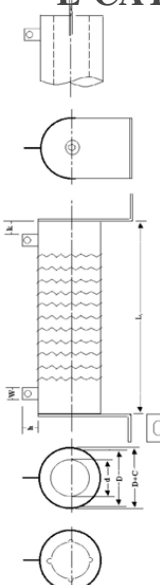
Date of Expiry

End Use Sectors

Product Images

<h1>SRZ</h1>		KIVOSH SILICON COATED EDGE WOUND RESISTOR WITH RADIAL TAGS
<p>Features:</p> <ul style="list-style-type: none"> Spot Welded/Brazed Joints For Reliability Low Temperature Coefficient Exceptional Stability And Performance. 		
<p>SPECIFICATIONS:</p> <ul style="list-style-type: none"> OHMIC RANGE : 0.05Ω To 30Ω (Std. Resistances from E-24 Series. Other Resistances available on request). TOLERANCE : $\pm 5\%$ POWER RATINGS (BASED ON 25$^{\circ}$ C) : 35W To 1500W. TEMPERATURE COEFFICIENT : ± 50ppm SURFACE TEMPERATURE : 350$^{\circ}$ C max at 25$^{\circ}$ C. DERATE AT ZERO : At 350$^{\circ}$ C. OVERLOAD : 10 times the wattage applied for 5 seconds OPERATING TEMPERATURE : -55$^{\circ}$ C to 200$^{\circ}$ C DIELECTRIC VOLTAGE : 1000V from mounting terminals to hardware. 		
<p>MATERIALS USED</p> <ul style="list-style-type: none"> CORE : Ceramic TERMINALS : Brass/Si/Copper HEAT SINK : Epoxy Strips COATING : Silicon Varnish 		
<p>GRAPH 1</p>  <p>TEMPERATURE RISE AT CONSTANT LOAD</p>	<p>GRAPH 2</p>  <p>DERATING: 100% @ 25$^{\circ}$ C TO 0% @ 350$^{\circ}$ C FOR SRZ</p>	<p>DERATING</p> <ul style="list-style-type: none"> For Efficient And Long Life Operation, These Resistors Should Be Derated By More Than 50%. Operating Temperature Range -55 to +200$^{\circ}$ C. Derating Necessary For High Ambient Temperatures As Shown In Graph 2
<p>MARKINGS EXAMPLE</p> <p>BRAND: KIVOSH 0428 DATE CODE OHMIC VALUE: 47.5Ω 500W WATTAGE TYPE: SRZ-600 TOLERANCE CODE NO: 64500</p>		

**BRAND INDIA ENGINEERING
E-CATALOGUE**



WATTS AT 25°C	TYPE DESIGNATION	RESISTANCE RANGE	DIMENSIONS IN mm			
			L ± 3	D ± 1	d min	W ± 1
35	SRZ - 35	0.05Ω - 3Ω	50	14	8	6
50	SRZ - 50	0.08Ω - 4Ω	75	14	8	6
75	SRZ - 75	0.12Ω - 6Ω	100	14	8	6
90	SRZ - 90	0.15Ω - 7.5Ω	90	19	12	6
105	SRZ - 105	0.16Ω - 8.2Ω	100	19	12	6
110	SRZ - 110	0.18Ω - 9.1Ω	115	19	12	6
140	SRZ - 140	0.08Ω - 5.6Ω	100	30	19	42
165	SRZ - 165	0.25Ω - 13Ω	165	19	12	31
200	SRZ - 200	0.15Ω - 9.1Ω	150	30	19	42
240	SRZ - 240	0.15Ω - 10Ω	165	30	19	42
275	SRZ - 275	0.18Ω - 11Ω	200	30	19	42
300	SRZ - 300	0.18Ω - 12Ω	250	30	19	42
325	SRZ - 325	0.20Ω - 13Ω	200	37	19	49
375	SRZ - 375	0.24Ω - 15Ω	300	30	19	42
500	SRZ - 500	0.30Ω - 20Ω	300	37	19	49
600	SRZ - 600	0.15Ω - 12Ω	300	45	32	57
800	SRZ - 800	0.22Ω - 16Ω	355	50	35	62
1000	SRZ - 1000	0.27Ω - 20Ω	355	60	35	72
1250	SRZ - 1250	0.33Ω - 25Ω	555	50	35	62
1500	SRZ - 1500	0.42Ω - 30Ω	555	60	35	72

*For values other than specified, please consult the factory with complete specifications.

Tel. No (+91-22) 66951951-52-53
KIYOSH ELECTRONICS
114, VEENA DALYAL INDUSTRIAL ESTATE, S. V. ROAD
JOGESHWARI (WEST), MUMBAI-400102
WEBSITE: www.kiyoshin.com, e-mail: kiyoshin@kiyoshin.com

CWC & SW

Technical Details

- Ohmic Range:1E To 20KE - Tolerance:Std ±5% Others ±3%, 2%, 1% - Surface Temperature:200°C@40°C Ambient (Depends On Insulation Level) With Water Circular Of 15 Ltr/Min - Derate to Zero:At 350° C Ambient - Dielectric Voltage:Upto 6 KV

ITC HS Codes

85332919

Certification/ Standard

IS

Issuing Agency

Date of Issue

12-07-2017

Date of Expiry

12-07-2027

End Use Sectors

Furnace Industry, Automation, Switch Gear Industry

BRAND INDIA ENGINEERING

E-CATALOGUE

Product Images

HIGH VOLTAGE IMPULSE RESISTORS	
	Pulse Voltage :60KV Resistor with FRP cage and flexible cable
	Pulse Voltage :140KV Resistor with corona free flange
	Pulse Voltage :140KV Flat shape Resistor
	Pulse Voltage :50KV Resistor with epoxy molding
	Pulse Voltage :100KV Resistor with Epoxy Coating

Tel. No. (011) 221 6681/851/82/83
KIYOSH ELECTRONICS
114, VEENA DALVALINDUSTRIAL ESTATE, S. V. ROAD
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WEBSITE: www.kiyosh.in e-mail: kiyosh@kiyosh.in

Rheostats

BRAND INDIA ENGINEERING E-CATALOGUE





Technical Details

- Power: – Designed with 150% of specified power dissipation to limit maximum surface temperature rise up to 200°C, at full power. (Direct derating to 67% of maximum allowable wattage). Also designed to withstand short time over load of 10 times the rated power for 5 seconds. - Pitch: – Minimum winding pitch is maintained at 2 times wire diameter in order to avoid inter-turn short circuit due to failure of wire insulation. Maximum winding pitch is maintained at 3 times the wire diameter to ensure maximum utilization of surface area for heat dissipation. - Joints: – Winding elements are spot welded to end brass clip terminals to ensure rigid & confirmed joints with very low contact resistance. - Coating: – Rheostat is coated with high temperature silicone varnish to provide protection against extreme environmental conditions, mechanical damage and to further assist in heat dissipation. - Contact Assembly: – Brush is made of copper-graphite for good electrical contact and self greasing properties to ensure smooth movement for maximum operation cycles. Further the brush is pig-tailed and spring loaded to ensure free movement with firm electric continuity. - Slider Bar: – Nickel plated Brass slider for rust free, smooth movement and good electrical conduction. Slider bar is insulated from side bracket using a ceramic insulator bush and nylon lock bush for good electrical insulation properties. - Brush Handle: – Slider brush handle is made of ceramic materials for good electric and heat insulation & longer life. - Mounting Bracket: – Fabricated from M.S. sheet for firm holding and finish with powder coating for longer life. - Wiring: High temperature withstanding Teflon covered insulating wires with crimped copper lugs to ensure good contact & longer life. - Output Terminals: – Molded and colour-coded insulating terminals are provided for ease of terminal identification. Red & black for fixed resistance and green for variable resistance terminal. - Earthing Terminal:- Earthing tag with screw provided for proper earthing of rheostat frame. (Both side brackets are internally electrically connected with the help of mounting stud and doom nut)

ITC HS Codes	85332919
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Issuing Agency	---
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BRAND INDIA ENGINEERING

E-CATALOGUE

RHEOSTATS					
	Single core	Two Core	Multi Core	Wheel operated	Wheel operated with cover

Tel. No. (+91)251 66651951-55-55
KIYOSH ELECTRONICS
114, VEENA DAVALI INDUSTRIAL ESTATE, S.V. ROAD
POWAI, MUMBAI (W) 400 132
WEBSITE: www.kiyosh.com Email: kisyosh@kiyosh.com

Product Images

SPECIFICATIONS

- Type : Linear
- Ohmic value : As Required
- Maximum Current : As Required, @ 40°C ambient
- Resistance Tolerance : ±10%
- Maximum Resistor Surface Temp. Rise : 200°C above ambient at specified load
- Over load : 1.5 Times rated power continuous
- Break Down voltage (Between terminals : 25 kV AC @ 500V DC
- Insulation Resistance : 1 x 10¹⁰ MO @ 500V DC
- Break Down voltage (Between terminals mounting bracket & Sliding Knob) : 2500 V AC 1 Min.

DESIGN FEATURES

- POWER:-** Designed with 150% of specified power dissipation to limit maximum surface temperature rise up to 200°C, at full power, (Direct derating to 67% of maximum allowable wattage). Also designed to withstand short time over load of 15 times the rated power for 5 seconds.
- PITCH:-** Minimum winding pitch is maintained at 2 time wire diameter in order to avoid inter-turn short circuit due to failure of wire insulation. Maximum winding pitch is maintained at 3 times the wire diameter to ensure maximum utilization of surface area for heat dissipation.
- JOINTS:-** Winding elements are spot welded to end brass clip terminals to ensure rigid & confirmed joints with very low contact resistance.
- COATING:-** Rheostat is coated with high temperature silicone varnish to provide protection against extreme environmental conditions, mechanical damage and to further assist in heat dissipation.
- CONTACT ASSEMBLY:-** Brush is made of Copper-Graphite for good electrical contact and self greasing properties to ensure smooth movement for maximum operation cycles. Further the brush is pig-tailed and spring loaded to ensure free movement with firm electric continuity.
- SLIDER BAR:-** Nickel plated Brass slider for rust free, smooth movement and good electrical conduction. Slider bar is insulated from side bracket using a ceramic insulator bush and nylon lock bush for good electrical insulation properties.
- BRUSH HANDLE:-** Slider brush handle is made of ceramic materials for good electric and heat insulation & longer life.
- MOUNTING BRACKET:-** Fabricated from M.S. sheet for firm holding and finish with powder coating for longer life.
- WIRING:-** High temperature withstanding Teflon covered insulating wires with crimped copper legs to ensure good contact & longer life.
- OUTPUT TERMINALS:-** Molded and colour-coded insulating terminals are provided for ease of terminal identification. Red & Black for fixed resistance and Green for variable resistance terminal.
- EARTHING TERMINAL:-** Earthing lug with screw provided for proper earthing of rheostat frame. (Both side brackets are internally electrically connected with the help of M.S. mounting stud and doorn nut)

ELECTRICAL LOAD BANKS







Technical Details









We are engaged in providing a wide range of “Resistive and Reactive Load Bank”, “Battery Discharge Resistor Unit” and “High Voltage Load Bank”. These are manufactured by using quality raw material in our well established manufacturing unit by our well experienced staff members.

BRAND INDIA ENGINEERING E-CATALOGUE

ITC HS Codes 85332919
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KIYOSH LOAD BANKS.




SR. NO	TYPE DESCRIPTION	WATTAGE	VOLTAGE	CURRENT	INSULATION	DUTY	CUSTOMER	APPLICATION	PHOTO
1	Direct water cooling through "Inconel" Resistive material tube	25KW	5V	5000AMP	NIL	CONTINUOUS	M/S AVTRON, U.S.A	LOW VOLTAGE & HIGH CURRENT LOAD	
2	FORCED AIRCOOLED	10KW	316V	31.6AMP	10KV	CONTINUOUS	INSTITUTE FOR PLASMA RESEARCH, GANDHINAGAR	PULSE LOADING	
3	FORCED AIRCOOLED	10.4MW	80KV	130AMP STEP OF 0.5AMP	161.5KV	5 SEC.ON 500SEC.OFF	-do-	HIGH VOLTAGE POWER SUPPLY LOAD	
4	FORCED AIRCOOLED	20KW	20V	1000AMP STEP OF 100AMP	2.5KV	CONTINUOUS	-do-		
5	NATURAL AIR COOLED	15MW	150KV TAP AT 15V	100AMP	160KV	10µSEC.ON 10 SEC.OFF	B.A.R.C., MUMBAI	HIGH VOLTAGE POWER SUPPLY LOAD	
6	FORCED AIRCOOLED	14.4KW	48V	300AMP STEP OF 5AMP	2.5KV	CONTINUOUS	M/S BRILLIANT FOR B.A.R.C	BATTERY DISCHARGE	




SR. NO	TYPE DESCRIPTION	WATTAGE	VOLTAGE	CURRENT	INSULATION	DUTY	CUSTOMER	APPLICATION	PHOTO
7	OIL COOLED & WATER COLLED	192KW	1200V	160AMP STEP OF 10AMP	10KV	CONTINUOUS	M/S VIRAL CONTROL, GANDHINAGAR	HIGH VOLTAGE POWER SUPPLY LOAD	
8	FORCED AIRCOOLED	168KW	1200V	140AMP STEP OF 10AMP	10KV	CONTINUOUS	M/S AMTECH LTD, GANDHINAGAR	HIGH VOLTAGE POWER SUPPLY LOAD	
9	NATURAL AIR COOLED	2MW	40KV	50AMP	60KV	5µSEC.ON	M/S L&T, MUMBAI	MEGATRON TESTING	
10	RESISTIVE & INDUCTIVE FORCED AIRCOOLED	125kW x 2	415V	174Amp/Ph	2.5KV	CONTINUOUS	M/S L&T, Talegaon	DG Testing	
11	FORCED AIRCOOLED DC Load Bank	100kW	300V DC	300Amp	2.5KV	CONTINUOUS	M/S L&T, Talegaon	DG Testing	
12	PLC Control for Load Bank	Selection for 3units of 415V-125kW AC Load Bank & 1 unit of 300V DC -100kW Load Bank					M/S L&T, Talegaon	DG Testing	
13	RESISTIVE & INDUCTIVE FORCED AIRCOOLED	120KW	415V	167Amp/ph	2.5KV	CONTINUOUS	M/S L&T, Talegaon	DG Testing	
14	FORCED AIRCOOLED (Design, Manufacturing & Installation)	3000KW	690V	2510Amp/ph	2.5KV	CONTINUOUS	NAKILAT DAMEN SHIPYARDS QATAR	DG Testing	

BRAND INDIA ENGINEERING

E-CATALOGUE

SR. NO	TYPE DESCRIPTION	WATTAGE	VOLTAGE	CURRENT	INSULATION	DUTY	CUSTOMER	APPLICATION	PHOTO
15	FORCED AIRCOOLED	2.5MW	100KV	25AMP STEP OF 1AMP	125KV	1 SEC.ON 500SEC.OFF	BARC	HIGH VOLTAGE POWER SUPPLY LOAD	
16	FORCED AIRCOOLED	15.5kW	220V	70Amp	2.5kV	CONTINUOUS	M/S L&T, Talegaon	Generator Testing	
17	NATURAL AIR COOLED	7kW	415V	10Amp/ph	2.5KV	CONTINUOUS	M/S L&T, Talegaon	HIGH VOLTAGE POWER SUPPLY LOAD	
18	FORCED AIRCOOLED	10kW	415V	14Amp/ph	2.5KV	CONTINUOUS	UNIVERSITY College cork, Ireland	Lab. Testing	
19	FORCED OIL COOLED	550kW	21kV 21kV 11kV 35kV	18A 18A 2A 1A	70kV DC	CONTINUOUS	M/S VEERAL CONTROL, (GANDHINAGAR)	HighVoltage Power Supply Testing	
20	FORCED AIR COOLED	360kW	18kVDC	20Amps with tap at 15 Amps.	50kV DC	3 Sec - ON / 900 Sec OFF	M/S ECIL (HYDERABAD) FOR ITER (GANDHINAGAR)	HIGH VOLTAGE POWER SUPPLY LOAD	

SR. NO	TYPE DESCRIPTION	WATTAGE	VOLTAGE	CURRENT	INSULATION	DUTY	CUSTOMER	APPLICATION	PHOTO
21	FORCED AIR COOLED	2970kW	27kV/18kV	110A/165A	50kV DC	3 Sec - ON / 900 Sec OFF	M/S ECIL (HYDERABAD) FOR ITER (GANDHINAGAR)	HIGH VOLTAGE POWER SUPPLY LOAD	
22	FORCED AIR COOLED	10kW	415V	14A/ph	2.5kV AC 50C/s	CONTINUOUS	M/S L&T, Mumbai	HIGH VOLTAGE POWER SUPPLY LOAD	
23	FORCED AIR COOLED	4.6kW	230V	20A	2.5kV	CONTINUOUS	M/S. ANCHOR	SPY CARD TESTING	

SR. NO	TYPE DESCRIPTION	WATTAGE	VOLTAGE	CURRENT	INSULATION	DUTY	CUSTOMER	APPLICATION	PHOTO
24	WATER COOLED	24kW	20V	1200A	0.5kV	CONTINUOUS	IPR	POWER SUPPLY TESTING	
25	WATER COOLED	24kW	2kV	12A	6kV	CONTINUOUS	IPR	POWER SUPPLY TESTING	
26	OIL COOLED	49kW	7kV	7A	15kV	CONTINUOUS	IPR	POWER SUPPLY TESTING	

BRAND INDIA ENGINEERING E-CATALOGUE

Sectors of Interest	Silicon Coated Wire Wound Resistor (SRI), Silicon Coated Flat Wire Wound Resistor (SRF), Silicon Coated Edge Wound Resistor With Radial Tags (SRZ), Water Cooled Wire Wound Resistor (CWC & SW), High Voltage Impulse Resistors, Dynamic Braking Resistors, Rheostat and Load Banks
Is OEM Supplier?	Yes
Is After Sales Service Provider?	Yes
Importance of niche products	
Potential market of niche products	
Product Supply Record	
Patented Technologies	
Awards/Accolades	