

Vitreous Enamel Wirewound

3 Watt – W21 Series



L=12.7, Dia=5.6, Lead length=22 min, Lead dia=0.8

High stability and reliability resistors, offering high power and resistance in a small size. Suitable for use in harsh environments.

- Fully approved to styles J **BS9114-N001** and JB **CECC 40 201-002**
- Available with **BS-CECC** release.

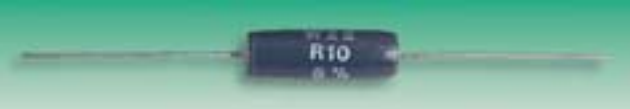
Power rating @ 25°C	3W	Voltage rating	100V
Power rating @ 70°C	2.5W	Operating temperature	-55°C to +350°C
Resistance tolerance	±5%	Temperature coefficient max	±75ppm/°C

Stocked in the following OHMIC Values:

OR1 = 950-3463	2R = 950-3889	24R = 950-3811	180R = 950-3676	1K = 950-3692
OR12 = 950-3471	2R2 = 950-3897	27R = 950-3838	200R = 950-3773	1K2 = 950-3706
OR15 = 950-3480	2R4 = 950-3900	33R = 950-3951	220R = 950-3781	1K5 = 950-3714
OR18 = 950-3498	2R7 = 950-3919	30R = 950-3935	240R = 950-3803	1K8 = 950-3722
OR2 = 950-3501	3R = 950-4010	39R = 950-3978	270R = 950-3820	2K = 950-3846
OR27 = 950-3528	3R3 = 950-4028	43R = 950-4052	300R = 950-3927	2K2 = 950-3854
OR22 = 950-3510	3R9 = 950-4036	47R = 950-4079	330R = 950-3943	2K4 = 950-3862
OR33 = 950-3536	4R7 = 950-4095	50R = 950-4117	390R = 950-3960	2K7 = 950-3870
OR39 = 950-3544	5R = 950-4184	51R = 950-4133	430R = 950-4044	3K = 950-3986
OR47 = 950-3552	5R1 = 950-4192	56R = 950-4150	470R = 950-4060	3K3 = 950-3994
OR5 = 950-3560	5R6 = 950-4206	62R = 950-4222	500R = 950-4109	3K9 = 950-4001
OR51 = 950-3579	6R8 = 950-4265	68R = 950-4249	510R = 950-4125	4K7 = 950-4087
OR56 = 950-3587	8R2 = 950-4320	75R = 950-4281	560R = 950-4141	5K1 = 950-4168
OR68 = 950-3595	10R = 950-3625	82R = 950-4303	620R = 950-4214	5K6 = 950-4176
1R = 950-3730	12R = 950-3641	91R = 950-4346	680R = 950-4230	6K8 = 950-4257
1R2 = 950-3749	15R = 950-3668	100R = 950-3609	750R = 950-4273	8K2 = 950-4311
1R5 = 950-3757	18R = 950-3684	120R = 950-3633	820R = 950-4290	10K = 950-3617
1R8 = 950-3765	22R = 950-3790	150R = 950-3650	910R = 950-4338	

Order Code	1+	25+	100+	+	+
Values OR1 to 1R ●	38.00	36.00	32.00	--	--
Values 1R2 to 1K5 ●	33.00	31.00	28.00	--	--
Values 1K8 to 4K7 ●	38.00	36.00	29.00	--	--
Values 5K1 to 10K ●	56.00	53.00	47.00	--	--

7 Watt – W22 Series



L=22.2, Dia=8.0, Lead length=23 min, Lead dia=0.8

- Fully approved to styles K **BS9114-N001** and KB **CECC40 201-002**
- Available with **BS-CECC** release.

Power rating @ 25°C	7W	Voltage rating	200V
Power rating @ 70°C	6W	Operating temperature	-55°C to +350°C
Resistance tolerance	±5%	Temperature coefficient max	±75ppm/°C

Stocked in the following OHMIC Values:

OR1 = 950-4354	2R2 = 950-4834	30R = 950-4869	240R = 950-4745	2K4 = 950-4800
OR12 = 950-4362	2R7 = 950-4842	33R = 950-4885	270R = 950-4761	2K7 = 950-4818
OR15 = 950-4370	3R3 = 950-4966	39R = 950-4915	300R = 950-4850	3K = 950-4923
OR18 = 950-4389	3R9 = 950-4974	47R = 950-4990	330R = 950-4877	3K3 = 950-4931
OR22 = 950-4397	4R7 = 950-5016	51R = 950-5032	360R = 950-4893	3K9 = 950-4958
OR27 = 950-4400	5R = 950-5083	56R = 950-5059	390R = 950-4907	4K7 = 950-5008
OR33 = 950-4419	5R1 = 950-5091	62R = 950-5113	470R = 950-4982	5K1 = 950-5067
OR39 = 950-4427	5R6 = 950-5105	68R = 950-5130	510R = 950-5024	5K6 = 950-5075
OR47 = 950-4435	6R8 = 950-5156	75R = 950-5172	560R = 950-5040	6K8 = 950-5148
OR5 = 950-4443	8R2 = 950-5229	82R = 950-5202	680R = 950-5121	7K5 = 950-5180
OR51 = 950-4451	10R = 950-4508	91R = 950-5237	750R = 950-5164	8K2 = 950-5210
OR56 = 950-4460	12R = 950-4532	100R = 950-4486	820R = 950-5199	9K1 = 950-5245
OR68 = 950-4478	15R = 950-4575	120R = 950-4516	1K = 950-4613	10K = 950-4494
1R = 950-4656	18R = 950-4605	130R = 950-4540	1K2 = 950-4621	12K = 950-4524
1R2 = 950-4664	20R = 950-4710	150R = 950-4559	1K5 = 950-4630	15K = 950-4567
1R5 = 950-4672	22R = 950-4737	180R = 950-4583	1K8 = 950-4648	18K = 950-4591
1R8 = 950-4680	24R = 950-4753	200R = 950-4699	2K = 950-4788	20K = 950-4702
2R = 950-4826	27R = 950-4770	220R = 950-4729	2K2 = 950-4796	

Order Code	1+	25+	100+	+	+
Values OR1 to 1R ●	38.00	36.00	32.00	--	--
Values 1R2 to 2K4 ●	33.00	31.00	28.00	--	--
Values 2K7 to 5K1 ●	41.00	39.00	35.00	--	--
Values 5K6 to 20K ●	48.00	45.00	41.00	--	--

10 Watt – W23 Series



L=38.1, Dia=8.0, Lead length=15 min, Lead dia=0.8

- Fully approved to styles L **BS9114-N001** and LB **CECC 40 201-002**
- Available with **BS-CECC** release.

Power rating @ 25°C	10W	Voltage Rating	500V
Power rating @ 70°C	9W	Operating temperature	-55°C to +350°C
Resistance tolerance	±5%	Temperature coefficient max	±75ppm/°C

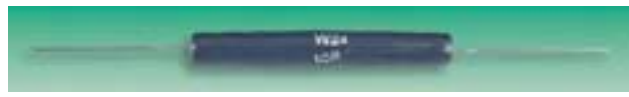
Stocked in the following OHMIC Values:

OR47 = 950-5253	15R = 950-5326	330R = 950-5423	4K7 = 950-5490
OR68 = 950-5261	22R = 950-5393	470R = 950-5466	6K8 = 950-5539
1R = 950-5350	33R = 950-5440	680R = 950-5512	10K = 950-5288
1R5 = 950-5369	47R = 950-5482	1K = 950-5334	15K = 950-5318
2R2 = 950-5415	68R = 950-5520	1K5 = 950-5342	22K = 950-5385
4R7 = 950-5504	100R = 950-5270	2K2 = 950-5407	33K = 950-5431
6R8 = 950-5547	150R = 950-5300	3K3 = 950-5458	47K = 950-5474
10R = 950-5296	220R = 950-5377		

Mfrs. List No. W23 + OHMIC Value 207178

Order Code	1+	25+	100+	+	+
Values OR1 to 1R ●	48.00	45.00	41.00	--	--
Values 1R2 to 2K4 ●	48.00	45.00	41.00	--	--
Values 2K7 to 5K1 ●	62.00	54.00	47.00	--	--
Values 5K6 to 20K ●	68.00	65.00	48.00	--	--
Values 22K to 47K ●	68.00	65.00	48.00	--	--

14 Watt – W24 Series



L=53.5, Dia=8.0, Lead length=30 min, Lead dia=0.88

- Fully approved to styles M **BS9114-N001** and MB **CECC 40 201-002**
- Available with **BS-CECC** release.

Power rating @ 25°C	14W	Voltage rating	750V
Power rating @ 70°C	12W	Operating temperature	-55°C to +350°C
Resistance tolerance	±5%	Temperature coefficient	±75ppm/°C

Stocked in the following OHMIC Values:

1R = 950-5601	22R = 950-5636	470R = 950-5660	10K = 950-5571
2R = 950-5652	47R = 950-5687	1K = 950-5598	22K = 950-5628
4R7 = 950-5709	100R = 950-5563	2K2 = 950-5644	47K = 950-5679
10R = 950-5580	220R = 950-5610	4K7 = 950-5695	100K = 950-5555

Mfrs. List No. W24 + OHMIC Value 207177

Order Code	1+	25+	100+	+	+
Values 1R to 4.7R ●	71.00	59.00	52.00	--	--
Values 10R to 4.7kR ●	54.00	51.00	46.00	--	--
Values 10kR to 47kR ●	109.00	103.00	80.00	--	--
100kR ●	109.00	103.00	84.00	--	--

Ceramic Spacers



- High working temperature
- High voltage insulator
- Used for supporting high power components
- Suitable for bore sizes up to 2 mm (height = 5mm)
- Sold in packs of 50

Order Code	1+	5+
891-9275	302.00	243.00

RWM 4 x 10 Series - 3 Watt



- High dissipation
- High reliability level
 - Fire proof
 - Excellent Endurance
 - Good environmental protection
 - Conformal vitreous enamel - All welded construction
- Low ohmic values



Resistors, Potentiometers & Thermistors

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Compliant Non-compliant + Limited stock - RoHS replacement available

RoHS