

# XICON 1% Metal Film Resistors - 1/8, 1/4 and 1/2 Watt

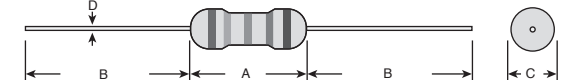
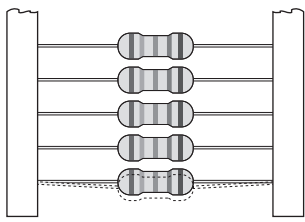


- Temperature coefficient: ±50 ppm/°C
- Epoxy coated for environmental protection
- Low noise



RoHS Compliant

Xicon Series	Watt Size	Max. Working Voltage	Dimensions (mm)			
			A	B	C	D
270	1/8 W	200	3.5	28.0	2.0	0.5
271	1/4 W	250	6.8	28.0	2.5	0.6
273	1/2 W	350	10.0	28.0	3.5	0.6



**W.V. =  $\sqrt{P \cdot R}$**   
 W.V. = Working Voltage DC  
 P = Power (rated in watts)  
 R = Resistance (rated in ohms)

Actual working voltage is the lower of either the value calculated from the above formula or the value listed in the chart.

Xicon Leaded Resistors

Xicon Series	Watt Size	BULK			AMMO PACK			TAPE AND REEL							
		MOUSER STOCK NO.	Price Per Piece			MOUSER STOCK NO.	Box Qty.	Price Per Piece			MOUSER STOCK NO.	Reel Qty.	Price Per Piece		
			10	200	1,000			1 Pack	5 Packs	10 Packs			1 Reel	2 Reels	10 Reels
270	1/8 W	270-VALUE-RC	.11	.05	.017	270-VALUE/AP-RC	2000	.017	.015	---	270-VALUE/REEL-RC	5000	.016	.015	.013
271	1/4 W	271-VALUE-RC	.09	.02	.012	271-VALUE/AP-RC	1000	.012	.011	.010	271-VALUE/REEL-RC	5000	.011	.009	.008
273	1/2 W	273-VALUE-RC	.12	.06	.025	273-VALUE/AP-RC	1000	.025	.024	.022	273-VALUE/REEL-RC	3000	.025	.024	.020

10	18.7	33	56.2	100	187	332	562	1K	1.87K	3.32K	5.9K	10.5K	19.6K	34K	59K	107K	196K	348K	619K
10.2	19.1	33.2	57.6	102	191	340	565	1.02K	1.91K	3.4K	6.04K	10.7K	20K	34.8K	60.4K	110K	200K	357K	620K
10.5	19.6	34	59	105	196	348	576	1.05K	1.96K	3.48K	6.19K	11K	20.5K	35.7K	61.9K	113K	205K	360K	634K
10.7	20	34.8	60.4	107	200	350	590	1.07K	2K	3.57K	6.2K	11.3K	21K	36K	62K	115K	210K	365K	649K
11	20.5	35.7	61.9	110	205	357	604	1.1K	2.05K	3.6K	6.34K	11.5K	21.5K	36.5K	63.4K	118K	215K	374K	665K
11.3	21	36	62	113	210	360	619	1.13K	2.1K	3.65K	6.49K	11.8K	22K	37.4K	64.9K	120K	220K	383K	680K
11.5	21.5	36.5	63.4	115	215	365	620	1.15K	2.15K	3.74K	6.65K	12K	22.1K	38.3K	66.5K	121K	221K	390K	681K
11.8	22	37.4	64.9	118	220	374	634	1.18K	2.2K	3.83K	6.8K	12.1K	22.6K	39K	68K	124K	226K	392K	698K
12	22.1	38.3	66.5	120	221	383	649	1.2K	2.21K	3.9K	6.81K	12.4K	23.2K	39.2K	68.1K	127K	232K	402K	715K
12.1	22.6	39	68	121	226	390	665	1.21K	2.26K	3.92K	6.98K	12.7K	23.7K	40.2K	69.8K	130K	237K	412K	732K
12.4	23.2	39.2	68.1	124	232	392	680	1.24K	2.32K	4.02K	7.15K	13K	24K	41.2K	71.5K	133K	240K	422K	750K
12.7	23.7	40.2	69.8	127	237	402	681	1.27K	2.37K	4.12K	7.32K	13.3K	24.3K	42.2K	73.2K	137K	243K	430K	768K
13	24	41.2	71.5	130	240	412	698	1.3K	2.4K	4.22K	7.5K	13.7K	24.9K	43K	75K	140K	249K	432K	787K
13.3	24.3	42.2	73.2	133	243	422	715	1.33K	2.43K	4.32K	7.68K	14K	25.5K	43.2K	76.8K	143K	255K	442K	806K
13.7	24.7	43	75	137	249	430	732	1.37K	2.49K	4.42K	7.87K	14.3K	26.1K	44.2K	78.7K	147K	261K	453K	820K
14	24.9	43.2	75.5	140	255	432	750	1.4K	2.55K	4.53K	8.06K	14.7K	26.7K	45.3K	80.6K	150K	267K	464K	825K
14.3	25.5	44.2	76.8	143	261	442	768	1.43K	2.61K	4.64K	8.2K	15K	27K	46.4K	82K	154K	270K	470K	845K
14.7	26.1	45.3	78.7	147	267	453	787	1.47K	2.67K	4.7K	8.45K	15.4K	27.4K	47K	82.5K	158K	274K	475K	866K
15	26.7	46.4	80.6	150	270	464	806	1.5K	2.7K	4.75K	8.65K	15.8K	28K	47.5K	84.5K	160K	280K	487K	887K
15.4	27	47	82	154	274	470	820	1.54K	2.74K	4.87K	8.86K	16K	28.7K	48.7K	86.6K	162K	287K	499K	909K
15.8	27.4	47.5	82.5	158	280	475	825	1.58K	2.8K	4.99K	8.8K	16.2K	29.4K	49.9K	88.7K	165K	294K	511K	910K
16	28	48.7	84.5	160	287	487	845	1.6K	2.87K	5.1K	8.87K	16.5K	30K	51K	90.9K	169K	300K	523K	931K
16.2	28.7	49.9	86.6	162	294	499	866	1.62K	2.94K	5.11K	9.09K	16.9K	30.1K	51.1K	91K	174K	301K	536K	953K
16.5	29.4	51	88.7	165	300	510	887	1.65K	3.0K	5.23K	9.1K	17.4K	30.9K	52.3K	93.1K	178K	309K	549K	976K
16.9	30	51.1	90.9	169	301	511	909	1.69K	3.01K	5.36K	9.31K	17.8K	31.6K	53.6K	95.3K	180K	316K	560K	1.0M
17.4	30.1	52.3	91	174	309	523	910	1.74K	3.09K	5.49K	9.53K	18K	32.4K	54.9K	97.6K	182K	324K	562K	1.5M
17.8	30.9	53.6	93.1	178	316	536	931	1.78K	3.16K	5.6K	9.76K	18.2K	33K	56K	100K	187K	330K	576K	2.2M
18	31.6	54.9	95.3	180	324	549	953	1.8K	3.24K	5.62K	10K	18.7K	33.2K	56.2K	102K	191K	332K	590K	
18.2	32.4	56	97.6	182	330	560	976	1.82K	3.3K	5.76K	10.2K	19.1K	33.6K	57.6K	105K	192K	340K	604K	

# XICON 5% Carbon Film Resistors - 1/8, 1/4, 1/2W and 1 Watt

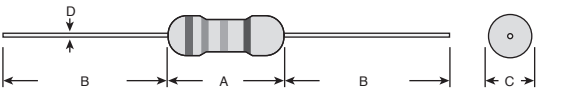
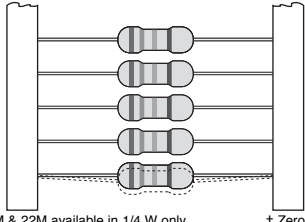


- Low cost
- Use instead of carbon composition in low pulse applications
- Epoxy coated for environmental protection



RoHS Compliant

Xicon Series	Watt Size	Max. Working Voltage	Dimensions (mm)			
			A	B	C	D
299	1/8 W	200	4.2	28.0	2.0	0.5
291	1/4 W	250	6.8	28.0	2.5	0.6
293	1/2 W	350	10.0	28.0	3.5	0.6
294	1 W	500	12.0	28.0	5.0	0.8



**W.V. =  $\sqrt{P \cdot R}$**   
 W.V. = Working Voltage DC  
 P = Power (rated in watts)  
 R = Resistance (rated in ohms)

Actual working voltage is the lower of either the value calculated from the above formula or the value listed in the chart.

\* 15M & 22M available in 1/4 W only

† Zero (0) available in 1/8W and 1/4W only

Xicon Series	Watt Size	BULK			AMMO PACK			TAPE AND REEL							
		MOUSER STOCK NO.	Price Per Piece			MOUSER STOCK NO.	Box Qty.	Price Per Piece			MOUSER STOCK NO.	Reel Qty.	Price Per Piece		
			10	200	1,000			1 Pk	5 Pks	10 Pks			1 Reel	2 Reels	10 Reels
299	1/8 W	299-VALUE-RC	.05	.017	.008	299-VALUE/AP-RC	2000	.007	.005	---	299-VALUE/REEL-RC	5000	.007	.006	.005
291	1/4 W	291-VALUE-RC	.04	.014	.007	291-VALUE/AP-RC	1000	.007	.006	.005	291-VALUE/REEL-RC	5000	.006	.005	.004
		291-VALUE(15M-22M)-RC*	.09	.044	.017	291-VALUE/AP(15M-22M)-RC	1000	.017	.012	.011	291-VALUE/REEL(15M-22M)-RC	5000	.012	.011	.008
293	1/2 W	293-VALUE-RC	.05	.016	.012	293-VALUE/AP-RC	1000	.012	.011	.010	293-VALUE/REEL-RC	3000	.011	.010	.008
294	1 W	294-VALUE-RC	.14	.05	.036	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

0†	2.4	6.8	20	56	160	470	1.3K	3.6K	10K	30K	82K	240K	680K	2M	5.6M
0.5	2.7	7.5	22	62	180	510	1.5K	3.9K	11K	33K	91K	270K	750K	2.2M	6.2M
1.0	3.0	8.2	24	68	200	560	1.6K	4.3K	12K	36K	100K	300K	820K	2.4M	6.8M
1.1	3.3	9.1	27	75	220	620	1.8K	4.7K	13K	39K	110K	330K	910K	2.7M	7.5M
1.2	3.6	10	30	82	240	680	2K	5.1K	15K	43K	120K	360K	1M	3M	8.2M
1.3	3.9	11	33	91	270	750	2.2K	5.6K	16K	47K	130K	390K	1.1M	3.3M	9.1M
1.5	4.3	12	36	100	300	820	2.4K	6.2K	18K	51K	150K	430K	1.2M	3.6M	10M
1.6	4.7	13	39	110	330	910	2.7K	6.8K	20K	56K	160K	470K	1.3M	3.9M	15M*
1.8	5.1	15	43	120	360	1K	3K	7.5K	22K	62K	180K	510K	1.5M	4.3M	22M*
2.0	5.6	16	47	130	390	1.1K	3.2K	8.2K	24K	68K	200K	560K	1.6M	4.7M	
2.2	6.2	18	51	150	430	1.2K	3.3K	9.1K	27K	75K	220K	620K	1.8M	5.1M	

