

RoHS Compliant This product is RoHS compliant.

XICON 0603, 0805, 1206 - 5% SMD Thick Film Resistors



Features:

- High purity alumina substrate
- Wave or flow solderable
- Wrap around termination
- Excellent high frequency characteristics
- Tight temperature coefficient resistance

- Inner electrode protection
- Excellent mechanical strength
- Excellent electrical stability
- High quality thick film element
- Stable high frequency characteristics
- Reduced lead inductance

Common Specification:

- Temperature coefficient: 100Ω to 10mΩ: 200ppm
- Resistance Tolerance: ±5%
- Operating Temp. Range: -55°C to +155°C

DIMENSIONS: mm



Resistor Pricing

Resistors ordered in lots of 1 reel per value can be combined with the same stock number range for lower price. Annual price agreements are also available. Call any Mouser Service Representative.

0603 Case Style Specifications:

- Rated power: 1/16W
- Max working voltage: 50V DC
- Max overload voltage: 100V DC

0805 Case Style Specifications:

- Rated power: 1/10W
- Max working voltage: 150V DC
- Max overload voltage: 300V DC

1206 Case Style Specifications:

- Rated power: 1/8W
- Max working voltage: 200V DC
- Max overload voltage: 400V DC

TABLE OF STANDARD VALUES

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

Case Size	MOUSER STOCK NO.	Dimensions: mm		Cut Tape (Parts packed on SMD tape)			Reel Quantity	Tape and Reel			
		L	W	Price Per Value				Price Each			
				1	100	1000		5000	10000	50000	100000
0603	301-Value-RC	1.6	0.8	.04	.024	.016	5000	.004	.003	.003	.002
0805	260-Value-RC	2.0	1.25	.04	.02	.016	5000	.003	.003	.003	.002
1206	263-Value-RC	3.1	1.55	.05	.02	.014	5000	.007	.006	.004	.003

XICON 0402, 0603, 0805, 1206 - 1% SMD Thick Film Resistors



Common Specification:

- Temperature coefficient: 100Ω and below: ±300ppm
- 102Ω to 499KΩ: ±100ppm
- 511KΩ to 1.0MΩ: ±300ppm
- Operating temperature: -55°C to +125°C

0402 Case Style Specifications:

- Rated power: 1/16W
- Max working voltage: 50V DC
- Max overload voltage: 100V DC

0603 Case Style Specifications:

- Rated power: 1/10W
- Max working voltage: 50V DC
- Max overload voltage: 100V DC

0805 Case Style Specifications:

- Rated power: 1/10W
- Resistance tolerance: ±1%
- Max working voltage: 100V DC
- Max overload voltage: 200V DC

1206 Case Style Specifications:

- Rated power: 1/8W
- Resistance tolerance: ±1%
- Max working voltage: 200V DC
- Max overload voltage: 300V DC

DIMENSIONS: mm

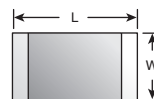


TABLE OF STANDARD VALUES

10	17.4	30.1	52.3	90.9	158	274	464	806	1.4K	2.43K	4.12K	7.15K	12.4K	21.5K	36.5K	63.4K	110K	191K	324K	562K	976K			
10.2	17.8	30.9	53.6	93.1	162	280	475	825	1.43K	2.49K	4.22K	7.32K	12.7K	22.1K	37.4K	64.9K	113K	196K	332K	576K	1.0M			
10.5	18.2	31.6	54.9	95.3	165	287	487	845	1.47K	2.55K	4.32K	7.5K	13K	22.6K	38.3K	66.5K	115K	200K	340K	590K				
10.7	18.7	32.4	56.2	97.6	169	294	499	866	1.5K	2.61K	4.42K	7.68K	13.3K	23.2K	39.2K	68.1K	118K	205K	348K	604K				
11	19.1	33.2	57.6	100	174	300	511	887	1.54K	2.67K	4.53K	7.87K	13.7K	23.7K	40.2K	69.8K	121K	210K	357K	619K				
11.3	19.6	34	59	102	178	301	523	909	1.58K	2.74K	4.64K	8.06K	14K	24.3K	41.2K	71.5K	124K	215K	365K	634K				
11.5	20	34.8	60.4	105	182	309	536	931	1.62K	2.8K	4.75K	8.25K	14.3K	24.9K	42.2K	73.2K	127K	221K	374K	649K				
11.8	20.5	35.7	61.9	107	187	316	549	953	1.65K	2.87K	4.87K	8.45K	14.7K	25.5K	43.2K	75K	130K	226K	383K	665K				
12.1	21	36.5	63.4	110	191	324	562	976	1.69K	2.94K	4.99K	8.66K	15K	26.1K	44.2K	76.8K	133K	232K	392K	681K				
12.4	21.5	37.4	64.9	113	196	332	576	1.0K	1.74K	3.0K	5.11K	8.87K	15.4K	26.7K	45.3K	78.7K	137K	237K	402K	698K				
12.7	22.1	38.3	66.5	115	200	340	590	1.02K	1.78K	3.01K	5.23K	9.09K	15.8K	27.4K	46.4K	80.6K	140K	243K	412K	715K				
13	22.6	39.2	68.1	118	205	348	604	1.05K	1.82K	3.09K	5.36K	9.31K	16.2K	28K	47.5K	82.5K	143K	249K	422K	732K				
13.3	23.2	40.2	69.8	121	210	357	619	1.07K	1.87K	3.16K	5.49K	9.53K	16.5K	28.7K	48.7K	84.5K	147K	255K	432K	750K				
13.7	23.7	41.2	71.5	124	215	365	634	1.1K	1.91K	3.24K	5.62K	9.76K	16.9K	29.4K	49.9K	86.6K	150K	261K	442K	768K				
14	24.3	42.2	73.2	127	221	374	649	1.13K	1.96K	3.32K	5.76K	10K	17.4K	30K	51.1K	88.7K	154K	267K	453K	787K				
14.3	24.9	43.2	75	130	226	383	665	1.15K	2.0K	3.4K	5.9K	10.2K	17.8K	30.1K	52.3K	90.9K	158K	274K	464K	806K				
14.7	25.5	44.2	76.8	133	232	392	681	1.18K	2.05K	3.48K	6.04K	10.5K	18.2K	30.9K	53.6K	93.1K	162K	280K	475K	825K				
15	26.1	45.3	78.7	137	237	402	698	1.21K	2.1K	3.57K	6.19K	10.7K	18.7K	31.6K	54.9K	95.3K	165K	287K	487K	845K				
15.4	26.7	46.4	80.6	140	243	412	715	1.24K	2.15K	3.65K	6.34K	11K	19.1K	32.4K	56.2K	97.6K	169K	294K	499K	866K				
15.8	27.4	47.5	82.5	143	249	422	732	1.27K	2.21K	3.74K	6.49K	11.3K	19.6K	33.2K	57.6K	100K	174K	300K	511K	887K				
16.2	28	48.7	84.5	147	255	432	750	1.3K	2.26K	3.83K	6.65K	11.5K	20K	34K	59K	102K	178K	301K	523K	909K				
16.5	28.7	49.9	86.6	150	261	442	768	1.33K	2.32K	3.92K	6.81K	11.8K	20.5K	34.8K	60.4K	105K	182K	309K	536K	931K				
16.9	29.4	51.1	88.7	154	267	453	787	1.37K	2.37K	4.02K	6.98K	12.1K	21K	35.7K	61.9K	107K	187K	316K	549K	953K				

Case Size	MOUSER STOCK NO.	Dimensions: mm		Cut Tape (Parts packed on SMD tape)			Reel Quantity	Tape and Reel			
		L	W	Price Per Value				Price Each			
				1	100	1000		5000	10000	50000	100000
0402	304-Value-RC	1.0	0.5	.04	.025	---	10000	---	.005	.004	.003
0603	302-Value-RC	1.6	0.8	.04	.025	.014	5000	.005	.004	.003	.003
0805	292-Value-RC	2.03	1.27	.04	.026	.016	5000	.006	.005	.003	.003
1206	290-Value-RC	3.05	1.52	.05	.032	.017	5000	.007	.006	.005	.004

XICON 0.1% SMD Thin Film Resistors



10PPM/°C - 0603, 0805

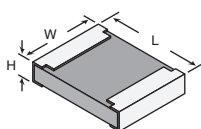
Specifications:

- Tolerance: ±0.1%
- TCR: ±10PPM/°C
- Max. operating voltage: 50V (0603), 100V (0805)
- Power rating: 0.1W
- 1/16W (0603), 1/10W (0805)
- Operating temperature: -55°C to +125°C

Features:

- Thin film Passivated NiCR Resistive Element
- Stable high frequency performance
- Uniform physical dimensions

DIMENSIONS: mm



• Available in other package sizes with lead time and MOQ requirements

Case Size	MOUSER STOCK NO.	Dimensions: mm			Cut Tape (packed on SMD tape)			Tape and Reel				
		L	W	H	Price Per Value			Reel Quantity	Price Each			
					1	50	100		2000	4000	8000	12000
0603	288-0603-VALUE-RC	1.6	.80	.45	.75	.70	.64	2000	.34	.30	.25	.212
0805	288-0805-VALUE-RC	2.0	1.25	.55	.75	.70	.64	2000	.34	.30	.25	.212

TABLE OF STANDARD VALUES											
100	267	887	2.05K	4.22K	7.87K	19.1K	40.2K				
105	301	931	2.1K	4.53K	8.25K	20K	46.4K				
121	340	1.0K	2.21K	4.75K	9.09K	21K	49.9K				
124	357	1.02K	2.49K	4.99K	10K	24.3K	56.2K				
130	365	1.1K	2.61K	5.62K	10.2K	24.9K	66.5K				
150	402	1.24K	3.16K	5.9K	11.5K	30.1K	68.1K				
165	499	1.33K	3.24K	6.04K	12.1K	30.9K	75K				
174	511	1.5K	3.32K	6.34K	12.4K	32.4K	78.7K				
187	590	1.54K	3.57K	6.65K	13K	33.2K	100K				
200	634	1.62K	3.83K	6.81K	13.3K	34.8K					
215	732	1.65K	3.92K	6.98K	15K	35.7K					
243	825	1.78K	4.02K	7.5K	16.5K	38.3K					
249	845	2.0K	4.12K	7.68K	18.7K	39.2K					