



**0201 / 0402 / 0603 / 0805 / 1206 / 1210 / 2010 / 2512 Surface Mount  
1% and 5% Thick Film Chip Resistors (Cont.)**



**KTR18 5%, 1/4 Watt, High Voltage — 1206 Series Resistor Values – RoHS Compliant**

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

Description	Value Range (Ω)	Temp. Coefficient (ppm/°C)	Limiting Element Voltage (V)	Rated Power @70°C	Dimensions – mm				Digi-Key Part No.†	Cut Tape Pricing			Digi-Key Part No.†	Tape & Reel Pricing 5,000	Rohm Part No.
					W	L	T	tb		10	50	200			
5%, 1206, 1/4 Watt	1.5 – 10M	±200	500	0.25W	1.6	3.2	0.55	0.5	RHM(Value)PCT-ND	1.55	4.15	9.54	RHM(Value)PTR-ND	24.05/M	KTR18EZPJxxx

† For complete part number, substitute value from Resistor Value Chart for (Value).

**KTR25 5%, 1/3 Watt, High Voltage — 1210 Series Resistor Values – RoHS Compliant**

22	43	220	240	820	6.8K	51K	91K	100K	120K	180K	470K	680K	1.0M	3.3M
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Description	Value Range (Ω)	Rated Power @70°C	Dimensions – mm				Digi-Key Part No.†	Cut Tape Pricing			Digi-Key Part No.†	Tape & Reel Pricing 4,000	Rohm Part No.
			W	L	T	tb		10	50	200			
5%, 3225, 1/3 Watt	22 – 3.3M	0.33W	2.5	3.2	0.55	0.5	RHM(Value)BACT-ND	3.73	10.04	23.08	RHM(Value)BATR-ND	71.84/M	KTR25JZPJxxx

† For complete part number, substitute value from Resistor Value Chart for (Value).

**ESR03 1%, 1/5 Watt, Anti-Surge — 0603 Series Resistor Values – RoHS Compliant**

10.0	75.0	470	1.00K	2.70K	8.20K	12.0K	20.0K	37.4K	100K	220K	360K
51.0	200	560	1.50K	4.30K	10K	15.0K	27.0K	75.0K	150K	330K	

Description	Value Range (Ω)	Temp. Coefficient (ppm/°C)	Limiting Element Voltage (V)	Rated Power @70°C	Dimensions – mm				Digi-Key Part No.†	Cut Tape Pricing			Digi-Key Part No.†	Tape & Reel Pricing 5,000	Rohm Part No.
					W	L	T	tb		10	50	200			
1%, 0603, 1/5 Watt	10.0 – 360K	±100	50	0.2W	0.8	1.6	0.45	0.3	RHM(Value)ADCT-ND	1.46	3.91	8.98	RHM(Value)ADTR-ND	22.11/M	ESR03EZFxxxx

† For complete part number, substitute value from Resistor Value Chart for (Value).

**ESR03 5%, 1/5 Watt, Anti-Surge — 0603 Series Resistor Values – RoHS Compliant**

10	20	62	130	180	240	390	560	910	1.6K	3.9K	6.2K	15K	47K	2.2M
13	22	100	150	200	300	470	680	1.0K	2.0K	4.7K	9.1K	22K	68K	10M
15	33	120	160	220	330	510	750	1.5K	2.2K	5.1K	10K	33K	82K	

Description	Value Range (Ω)	Temp. Coefficient (ppm/°C)	Limiting Element Voltage (V)	Rated Power @70°C	Dimensions – mm				Digi-Key Part No.†	Cut Tape Pricing			Digi-Key Part No.†	Tape & Reel Pricing 5,000	Rohm Part No.
					W	L	T	tb		10	50	200			
5%, 0603, 1/5 Watt	10 – 10M	±200	50	0.2W	0.8	1.6	0.45	0.3	RHM(Value)DCT-ND	1.14	3.06	7.03	RHM(Value)DTR-ND	15.21/M	ESR03EZFJxxx

† For complete part number, substitute value from Resistor Value Chart for (Value).

**ESR10 1%, 1/4 Watt, Anti-Surge — 0805 Series Resistor Values – RoHS Compliant**

1.30	3.92	4.75	5.76	6.65	10.0	14.7	16.2	18.7	21.5	30.0	75.0	200	1.00K	1.50K	3.60K	4.70K	6.20K	9.10K	47.0K	100K	249K
2.00	4.22	4.87	5.90	6.81	13.7	15.0	16.5	19.1	22.6	43.0	82.0	220	1.10K	2.00K	3.90K	5.10K	6.80K	10.0K	51.0K	130K	330K
2.40	4.32	5.10	6.34	7.50	14.0	15.8	17.4	20.0	24.0	49.9	100	330	1.20K	3.00K	4.02K	5.60K	7.50K	15.0K	59.0K	150K	390K
3.90	4.70	5.60	6.49	9.10	14.3	16.0	18.2	20.5	27.0	56.0	120	430	1.30K	3.30K	4.30K	6.19K	8.2K	39.2K	97.6K	220K	

Description	Value Range (Ω)	Temp. Coefficient (ppm/°C)	Limiting Element Voltage (V)	Rated Power @70°C	Dimensions – mm				Digi-Key Part No.†	Cut Tape Pricing			Digi-Key Part No.†	Tape & Reel Pricing 5,000	Rohm Part No.
					W	L	T	tb		10	50	200			
1%, 0805, 1/4 Watt	1.30 – 390K	±100	150	0.25W	1.25	2.0	0.55	0.4	RHM(Value)AECT-ND	1.83	4.93	11.33	RHM(Value)AETR-ND	30.39/M	ESR10EZPFxxx

† For complete part number, substitute value from Resistor Value Chart for (Value).

**ESR10 5%, 1/4 Watt, Anti-Surge — 0805 Series Resistor Values – RoHS Compliant**

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

Description	Value Range (Ω)	Temp. Coefficient (ppm/°C)	Limiting Element Voltage (V)	Rated Power @70°C	Dimensions – mm				Digi-Key Part No.†	Cut Tape Pricing			Digi-Key Part No.†	Tape & Reel Pricing 5,000	Rohm Part No.
					W	L	T	tb		10	50	200			
5%, 0805, 1/4 Watt	1 – 10M	±200	150	0.25W	1.25	2.0	0.55	0.4	RHM(Value)KCT-ND	1.14	3.06	7.03	RHM(Value)KTR-ND	15.21/M	ESR10EZPJxxx

† For complete part number, substitute value from Resistor Value Chart for (Value).

**ESR18 1%, 1/3 Watt, Anti-Surge — 1206 Series Resistor Values – RoHS Compliant**

1.00	10.0	27.0	51.0	82.0	200	1.00K	2.00K	4.02K	6.20K	10.0K	30.1K	100K	300K	10.0M
8.20	20.0	33.0	60.4	100	392	1.30K	2.10K	6.04K	7.87K	27.0K	33.0K	150K	470K	

Description	Value Range (Ω)	Temp. Coefficient (ppm/°C)	Limiting Element Voltage (V)	Rated Power @70°C	Dimensions – mm				Digi-Key Part No.†	Cut Tape Pricing			Digi-Key Part No.†	Tape & Reel Pricing 5,000	Rohm Part No.
					W	L	T	tb		10	50	200			
1%, 1206, 1/3 Watt	1.00 – 10.0M	±100	200	0.33W	1.6	3.2	0.55	0.5	RHM(Value)AFCT-ND	1.71	4.60	10.55	RHM(Value)AFTR-ND	27.63/M	ESR18EZPFxxxx

† For complete part number, substitute value from Resistor Value Chart for (Value).

**ESR18 5%, 1/3 Watt, Anti-Surge — 1206 Series Resistor Values – RoHS Compliant**

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

Description	Value Range (Ω)	Temp. Coefficient (ppm/°C)	Limiting Element Voltage (V)	Rated Power @70°C	Dimensions – mm				Digi-Key Part No.†	Cut Tape Pricing			Digi-Key Part No.†	Tape & Reel Pricing 5,000	Rohm Part No.
					W	L	T	tb		10	50	200			
5%, 1206, 1/3 Watt	1 – 10M	±200	200	0.33W	1.6	3.2	0.55	0.50	RHM(Value)JCT-ND	1.83	4.93	11.33	RHM(Value)JTR-ND	30.39/M	ESR18EZPJxxx

† For complete part number, substitute value from Resistor Value Chart for (Value).

(Continued)

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