

PANASONIC® 0805/1206/1210/2512 5% & 0805/1206 1% Surface Mount Ultra Low Ohm Thick Film Chip Resistors — 1/10, 1/8, 1/4 and 1 Watt

Standard Resistor Values
See below for complete part numbers when ordering.

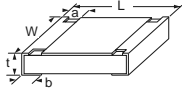
.10	.18	.33	.56	1.0	1.8	3.3	5.6	9.1
.12	.22	.39	.68	1.2	2.2	3.9	6.8	
.15	.27	.47	.82	1.5	2.7	4.7	8.2	

Rated Continuous Working Voltage (RCWV): The rated voltage at each resistance should be calculated from the following equation: $RCWV = \sqrt{P \times R}$

$RCWV(V) = \sqrt{P(W) \times R(\Omega)}$

Max. overload voltage = $RCWV \times 2.5$

Description	Value Range	Digi-Key Part No.	10	50	200	1M	3M	Pricing 5M	9M	10M	24M	50M	Panasonic Part No.
1/10 W, 0805, 5% Chip Resistors: Tape & Reel (5000/pkg.)	(1 - 18Ω)	P + Value + "BTR-ND"	—	—	—	—	—	225.27/M	—	200.24/M	—	150.18/M	ERJ-6RSJxxxV
1/10 W, 0805, 5% Chip Resistors: Tape & Reel (5000/pkg.)	(22 - 9.1Ω)	P + Value + "BTR-ND"	—	—	—	—	—	96.55/M	—	85.82/M	—	64.37/M	ERJ-6RQJxxxV
1/10 W, 0805, 5% Chip Resistors: Tape	(1 - 18Ω)	P + Value + "BCT-ND"	14.32	38.54	88.54	234.38	—	—	—	—	—	—	ERJ-6RSJxxx
1/10 W, 0805, 5% Chip Resistors: Tape	(22 - 9.1Ω)	P + Value + "BCT-ND"	6.45	17.36	39.87	105.55	—	—	—	—	—	—	ERJ-6RQJxxx
1/10 W, 0805, 1% Chip Resistors: Tape & Reel (5000/pkg.)	(22 - 9.1Ω)	P + Value + "DTR-ND"	—	—	—	—	—	152.87/M	—	135.88/M	—	101.91/M	ERJ-6RQFxxxV
1/10 W, 0805, 1% Chip Resistors: Tape	(22 - 9.1Ω)	P + Value + "DCT-ND"	9.89	26.62	61.15	161.87	—	—	—	—	—	—	ERJ-6RQFxxx
1/8 W, 1206, 5% Chip Resistors: Tape & Reel (5000/pkg.)	(1 - 18Ω)	P + Value + "PTR-ND"	—	—	—	—	—	213.19/M	—	189.50/M	—	142.13/M	ERJ-8RSJxxxV
1/8 W, 1206, 5% Chip Resistors: Tape & Reel (5000/pkg.)	(22 - 9.1Ω)	P + Value + "PTR-ND"	—	—	—	—	—	84.47/M	—	75.08/M	—	56.31/M	ERJ-8RQJxxxV
1/8 W, 1206, 5% Chip Resistors: Tape	(1 - 18Ω)	P + Value + "PCT-ND"	13.58	36.54	83.94	222.19	—	—	—	—	—	—	ERJ-8RSJxxx
1/8 W, 1206, 5% Chip Resistors: Tape	(22 - 9.1Ω)	P + Value + "PCT-ND"	5.71	15.37	35.31	93.47	—	—	—	—	—	—	ERJ-8RQJxxx
1/8 W, 1206, 1% Chip Resistors: Tape & Reel (5000/pkg.)	(22 - 9.1Ω)	P + Value + "RTR-ND"	—	—	—	—	—	140.79/M	—	125.14/M	—	93.86/M	ERJ-8RQFxxxV
1/8 W, 1206, 1% Chip Resistors: Tape	(22 - 9.1Ω)	P + Value + "RCT-ND"	9.15	24.63	56.58	149.78	—	—	—	—	—	—	ERJ-8RQFxxx
1/4 W, 1210, 5% Chip Resistors: Tape & Reel (5000/pkg.)	(1 - 18Ω)	P + Value + "STR-ND"	—	—	—	—	—	223.45/M	—	178.76/M	—	134.07/M	ERJ-14RSJxxxU
1/4 W, 1210, 5% Chip Resistors: Tape & Reel (5000/pkg.)	(22 - 9.1Ω)	P + Value + "STR-ND"	—	—	—	—	—	134.08/M	—	107.26/M	—	80.45/M	ERJ-14RQJxxxU
1/4 W, 1210, 5% Chip Resistors: Tape	(1 - 18Ω)	P + Value + "SCT-ND"	12.84	34.55	79.37	280.14	—	—	—	—	—	—	ERJ-14RSJxxx
1/4 W, 1210, 5% Chip Resistors: Tape	(22 - 9.1Ω)	P + Value + "SCT-ND"	7.92	21.32	48.99	172.89	—	—	—	—	—	—	ERJ-14RQJxxx
1 W, 2512, 5% Chip Resistors: Tape & Reel (3000/pkg.)	(1 - 18Ω)	P + Value + "UTR-ND"	—	—	—	—	536.32/M	—	429.06/M	—	362.02/M	—	ERJ-1WRSJxxxU
1 W, 2512, 5% Chip Resistors: Tape & Reel (3000/pkg.)	(22 - 9.1Ω)	P + Value + "UTR-ND"	—	—	—	—	286.04/M	—	228.84/M	—	193.08/M	—	ERJ-1WRQJxxxU
1 W, 2512, 5% Chip Resistors: Tape	(1 - 18Ω)	P + Value + "UCT-ND"	25.86	81.65	204.12	612.36	—	—	—	—	—	—	ERJ-1WRSJxxx
1 W, 2512, 5% Chip Resistors: Tape	(22 - 9.1Ω)	P + Value + "UCT-ND"	13.97	44.11	110.27	330.80	—	—	—	—	—	—	ERJ-1WRQJxxx



Type (Power Rating)	Type	L	W	Dimensions (mm) t	a	b	Temperature Coefficient	Panasonic Part No.
1/10 Watt	0805	2.00	1.25	0.60	0.40	0.40	.1 ~ .91Ω ±250ppm / °C/1.0 ~ 9.1 Ohm ±200ppm/C	ERJ-6RS/Q
1/8 Watt	1206	3.20	1.60	0.60	0.50	0.50	.1 ~ .91Ω ±250ppm / °C/1.0 ~ 9.1 Ohm ±200ppm/C	ERJ-8RS/Q
1/4 Watt	1210	3.20	2.50	0.60	0.50	0.50	.1 ~ .91Ω ±200ppm / °C/1.0 ~ 9.1 Ohm ±100ppm/C	ERJ-14RS/Q
1 Watt	2512	6.40	3.20	1.10	0.65	1.30	.1 ~ .91Ω ±200ppm / °C/1.0 ~ 9.1 Ohm ±100ppm/C	ERJ-1WRS/Q

PANASONIC® 0402/0603/0805/1206/1210/2010/2512 Surface Mount 5% Thick Film Chip Resistors — 1/16, 1/10, 1/8, 1/4, 1/2 and 1 Watt

Standard Resistor Values
See below for complete part numbers when ordering.

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

1/8 W 1206 5% Chip Resistor Assortments

CR1A-KIT-ND 50 ea. of every other value from 10, 12, 15, 18, etc. 1.0M (3,050) \$89.95
CR1-KIT-ND 200 ea. (same values as kit above) \$329.00

CR2A-KIT-ND 50 ea. of every other value from 11, 13, 16, 20, etc. 910K (3,000) \$89.95
CR2-KIT-ND 200 ea. (same values as kit above) \$329.00

1/10 W 0805 5% Chip Resistor Assortments

CR3A-KIT-ND 50 ea. of every other value from 10, 12, 15, 18, etc. 1.0M (3,050) \$89.95
CR3-KIT-ND 200 ea. (same values as kit above) \$349.00

CR4A-KIT-ND 50 ea. of every other value from 11, 13, 16, 20, etc. 910K (3,000) \$89.95
CR4-KIT-ND 200 ea. (same values as kit above) \$349.00

1/16 W 0603 5% Chip Resistor Assortments

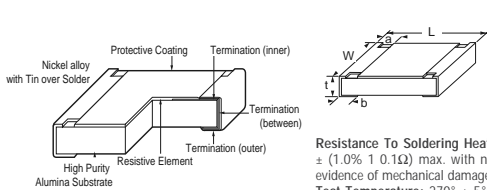
CR5A-KIT-ND 50 ea. of every other value from 10, 12, 15, 18, etc. 1.0M (3,050) \$94.95
CR5-KIT-ND 200 ea. (same values as kit above) \$379.00

CR6A-KIT-ND 50 ea. of every other value from 11, 13, 16, 20, etc. 910K (3,000) \$94.95
CR6-KIT-ND 200 ea. (same values as kit above) \$379.00

1/16 W 0402 5% Chip Resistor Assortments

CR7A-KIT-ND 50 ea. of every other value from 10, 12, 15, 18, 22, 1.0M (3,050) \$99.95
CR7-KIT-ND 200 ea. (same values as kit above) \$399.00

CR8A-KIT-ND 50 ea. of every other value from 11, 13, 16, 20, etc. 910K (3,000) \$99.95
CR8-KIT-ND 200 ea. (same values as kit above) \$399.00



Resistance To Soldering Heat: ± (1.0% 0.1Ω) max. with no evidence of mechanical damage.
Test Temperature: 270° ± 5°C
Dip Time: 10 Seconds.

Power Rating (Watt)	Type	Max. RCWV	Max. Overload Voltage	Dimensions (mm) L	W	t	a	b	Temperature Coefficient	Panasonic Part No.
1/16	0603	50V	100V	1.60	0.8	0.45	0.3	0.3	10Ω ~ 1MΩ: ±250ppm / °C, >1MΩ: ~ -300; +100	ERJ-3GSY
1/16	0402	50V	100V	1.00	0.5	0.35	0.2	0.25	10Ω ~ 1MΩ: ±200ppm / °C, >1MΩ: ~ -400; +150	ERJ-2GEJ
1/10	0805	150V	200V	2.00	1.25	0.6	0.4	0.4	10Ω ~ 1MΩ: ±200ppm / °C, >1MΩ: ~ -400; +150	ERJ-6GEY
1/8	1206	200V	400V	3.20	1.60	0.6	0.5	0.5	10Ω ~ 1MΩ: ±200ppm / °C, >1MΩ: ~ -400; +150	ERJ-8GEY
1/8	1206	200V	400V	3.20	1.60	0.6	0.5	0.3	10Ω ~ 1MΩ: ±200ppm / °C, >1MΩ: ~ -400; +150	ERJ-8GCEY
1/4	1210	200V	400V	3.20	2.50	0.60	0.50	0.50	10Ω ~ 1MΩ: ±200ppm / °C	ERJ-14Y
1/2	2010	200V	400V	5.00	2.50	0.60	0.60	0.60	10Ω ~ 1MΩ: ±200ppm / °C	ERJ-12ZY
1	2512	250V	500V	6.40	3.20	1.10	0.65	1.30	10Ω ~ 1MΩ: ±200ppm / °C	ERJ-1WY

Description	Value Range	Digi-Key Part No.	10	50	200	1M	3M	Pricing 5M	9M	10M	24M	50M	Panasonic Part No.
1/16 W, 0603, 5% Chip Resistors: Tape & Reel (5000/pkg.)	(10-2.0MΩ)	P + Value + "GTR-ND"†	—	—	—	—	—	7.50/M	—	6.75/M	—	5.63/M	ERJ-3GSYJxxxV
1/16 W, 0603, 5% Chip Resistors: Bulk	(10-2.0MΩ)	P + Value + "GCT-ND"†	.89	2.41	5.53	14.63	—	—	—	—	—	—	ERJ-3GSYJxxx
1/16 W, 0402, 5% Chip Resistors: Tape & Reel (10000/pkg.)	(10-2.0MΩ)	P + Value + "JTR-ND"†	—	—	—	—	—	—	—	18.72/M	—	15.60/M	ERJ-2GEJxxxV
1/16 W, 0402, 5% Chip Resistors: Tape	(10-2.0MΩ)	P + Value + "JCT-ND"†	1.50	4.04	9.29	24.59	—	—	—	—	—	—	ERJ-2GEJxxx
1/10 W, 0805, 5% Chip Resistors: Tape & Reel (5000/pkg.)	(10-2.0MΩ)	P + Value + "ATR-ND"†	—	—	—	—	—	7.50/M	—	6.75/M	—	5.63/M	ERJ-6GEYJxxxV
1/10 W, 0805, 5% Chip Resistors: Bulk	(10-2.0MΩ)	P + Value + "ACT-ND"†	.89	2.41	5.53	14.63	—	—	—	—	—	—	ERJ-6GEYJxxx
1/8 W, 1206, 5% Chip Resistors: Tape & Reel (5000/pkg.)	(10-2.2MΩ)	P + Value + "ETR-ND"†	—	—	—	—	—	8.85/M	—	7.97/M	—	6.64/M	ERJ-8GEYJxxxV
1/8 W, 1206, 5% Chip Resistors: Tape	(10-2.2MΩ)	P + Value + "ECT-ND"†	.96	2.57	5.91	15.64	—	—	—	—	—	—	ERJ-8GEYJxxx
1/8 W, 1206, 5% Chip Resistors: Magazine Pack (200/pkg.)	(10-2.2MΩ)	P + Value + "EMG-ND"*	—	—	—	—	—	24.55	—	—	—	—	ERJ-8GCEYJxxxM
1/4 W, 1210, 5% Chip Resistors: Tape & Reel (5000/pkg.)	(10-1.0MΩ)	P + Value + "VTR-ND"†	—	—	—	—	—	39.13/M	—	31.30/M	—	23.48/M	ERJ-14YJxxxU
1/4 W, 1210, 5% Chip Resistors: Tape	(10-1.0MΩ)	P + Value + "VCT-ND"†	2.70	7.27	16.70	58.95	—	—	—	—	—	—	ERJ-14YJxxx
1/2 W, 2010, 5% Chip Resistors: Tape & Reel (5000/pkg.)	(10-1.0MΩ)	P + Value + "WTR-ND"†	—	—	—	—	—	61.53/M	—	49.22/M	—	36.92/M	ERJ-12ZYJxxxU
1/2 W, 2010, 5% Chip Resistors: Tape	(10-1.0MΩ)	P + Value + "WCT-ND"†	3.93	10.59	24.32	85.83	—	—	—	—	—	—	ERJ-12ZYJxxx
1 W, 2512, 5% Chip Resistors: Tape & Reel (3000/pkg.)	(10-1.0MΩ)	P + Value + "XTR-ND"†	—	—	—	—	—	119.50/M	—	95.60/M	—	80.67/M	ERJ-1WYJxxxU
1 W, 2512, 5% Chip Resistors: Tape	(10-1.0MΩ)	P + Value + "XCT-ND"†	8.77	23.59	54.19	143.44	—	—	—	—	—	—	ERJ-1WYJxxx

† 0.0 (zerohm) value also available.

*Magazine pack for Type 1206 not for new design

1-800-344-4539
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PANASONIC® ERA 0603/0805

1% METAL FILM CHIP RESISTORS

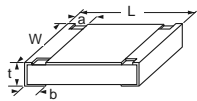
Surface Mount — Available In 1/16 and 1/10 Watt

Standard Resistor Values
See below for complete part numbers when ordering.

560	820	1.2K	1.8K	2.7K	3.9K	5.6K	8.2K	12K	18K	27K	39K	56K	82K
620	910	1.3K	2.0K	3.0K	4.3K	6.2K	9.1K	13K	20K	30K	43K	62K	91K
680	1.0K	1.5K	2.2K	3.3K	4.7K	6.8K	10K	15K	22K	33K	47K	68K	100K
750	1.1K	1.6K	2.4K	3.6K	5.1K	7.5K	11K	16K	24K	36K	51K	75K	

Features:

- High reliability
- Low TCR and current noise
- Excellent non-linearity



Type (Power Rating)	Type	Max. RCWW	Max. Overload Voltage	Dimensions (mm)					Temperature Coefficient	Panasonic Part No.
				L	W	t	a	b		
1/16 Watt	0603	75V	150V	1.60	0.80	0.45	0.30	0.30	±25ppm/°C	ERA-3YE
1/10 Watt	0805	100V	200V	2.00	1.25	0.50	0.40	0.40	±25ppm/°C	ERA-6YE

Description	Value Range	Digi-Key Part No.	10	50	200	1M	Pricing					Panasonic Part No.
							5M	10M	25M	50M	100M	
1/16 W, 0603, 1% Chip Resistors; Tape & Reel (5000/pkg.)	560 - 33K	P + Value + "YTR-ND"	—	—	—	—	184.94/M	147.96/M	124.84/M	115.59/M	110.97/M	ERA-3YEBxxxV
1/16 W, 0603, 1% Chip Resistors; Tape (200/pkg.)	560 - 33K	P + Value + "YCT-ND"	9.16	28.94	72.35	217.06	—	—	—	—	—	ERA-3YEBxxx
1/10 W, 0805, 1% Chip Resistors; Tape & Reel (5000/pkg.)	560 - 100K	P + Value + "ZTR-ND"	—	—	—	—	184.94/M	147.96/M	124.84/M	115.59/M	110.97/M	ERA-6YEBxxxV
1/10 W, 0805, 1% Chip Resistors; Tape (200/pkg.)	560 - 100K	P + Value + "ZCT-ND"	9.16	28.94	72.35	217.06	—	—	—	—	—	ERA-6YEBxxx

YAGEO 5% CARBON FILM RESISTORS

Available In 1/8, 1/4 and 1/2 Watt

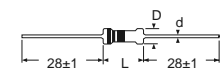
Standard Resistor Values
See below for complete part numbers when ordering.

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

Characteristics

Terminal Strength	Soldering	Temperature Change	Vibration	Moisture Resistance	Load Life	Dielectric Strength	Insulation Resistance	Short-Time Overload	Voltage Coefficient	Solvents Resistance
0.6mm load 10N (1kg); 10s Δ Rmax. 0.25% + 0.05Ω	2s 230°C 0.5% activated flux Δ Rmax. 0.25% + 0.25Ω	½ hr. @ -55°C; ½ hr. @ +155°C 5 cycles; Δ Rmax. 0.25% + 0.25Ω	1.5mm displacement @ 10 to 500 Hz; Δ Rmax. 0.25% + 0.05Ω	Δ Rmax. ±3%	Δ Rmax. ±2.5%	1000 hrs.: 70°C; Pnom or Vmax. Δ Rmax. 1% + 0.05Ω	500Vrms appl. for 1 min.; No breakdown	Room temp., dissipation 6.25× Pnom, 10 cycles, 5 sec. on, 45 sec. off; Δ Rmax. 0.25% + 0.05Ω	5 ppm	No damage

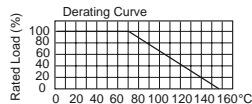
General Specifications



Type (Power Rating)	Dimensions (mm)			Max. Working Voltage	Max. Overload Voltage	Rated Ambient Temperature	Temperature Cycling	Resistance Range	Resistance Tolerance
	L	D	d						
1/8 Watt	3.8 ± 0.2	1.8 ± 0.2	0.45	200V	400V	70°C	-55°C to +155°C	1.0Ω to 10 MΩ	±5%
1/4 Watt	6.5 ± 0.5	2.3 ± 0.3	0.60	250V	500V	70°C	-55°C to +155°C	1.0Ω to 10 MΩ	±5%
1/2 Watt	9.5 ± 0.5	3.2 ± 0.5	0.60	350V	700V	70°C	-55°C to +155°C	1.0Ω to 10 MΩ	±5%

Features

- Industry's lowest cost!
- Available in 1/8, 1/4, 1/2 watt; packaged in bulk or tape/reel (except 1/2 watt)
- Exceeds carbon comp MIL-R-11 performance
- Standard tolerance: ±5%
- Exceptional long-term stability



Description	Digi-Key Part No.	5	200	1M	Pricing	5M	10M	50M
1/8 Watt, 5% Carbon Film Resistors Bulk Package	Value + "E" + "BK-ND" (i.e. 1.0EBK-ND)	.28	4.70	13.63	12.22/M	11.28/M	10.34/M	
1/8 Watt, 5% Carbon Film Resistors — Tape and Reel (5,000 pcs./reel — Order in multiples of 5,000)	Value + "E" + "TR-ND" (i.e. 1.0ETR-ND)	—	—	—	14.95/M	13.80/M	11.04/M	
1/4 Watt, 5% Carbon Film Resistors Bulk Package	Value + "Q" + "BK-ND" (i.e. 1.0QBK-ND)	.28	3.89	8.70	8.27/M	7.69/M	6.24/M	
1/4 Watt, 5% Carbon Film Resistors — Tape and Reel (5,000 pcs./reel — Order in multiples of 5,000)	Value + "Q" + "TR-ND" (i.e. 1.0QTR-ND)	—	—	—	8.94/M	8.25/M	6.60/M	
1/2 Watt, 5% Carbon Film Resistors Bulk Package	Value + "H" + "ND" (i.e. 1.0H-ND)	.27	3.96	12.87	11.88/M	10.89/M	9.90/M	

*E" = Eighth Watt; "Q" = Quarter Watt; "H" = Half Watt. Please be sure to specify. Half watt available in bulk package only.

1/8 Watt Resistor Assortment



200 each of all standard values 5% 1/8 watt carbon film resistors in the series 1.0 - 4.7 megohms (32,200 total pieces).

RSE200-ND\$399.00

Set of 5 each of 73 standard 5% 1/8 watt carbon film resistors in the series 1.0, 1.2, 1.5, 1.8, 2.2, etc., through 1.0 megohm (365 total pcs.).

RS112-ND.....\$16.96

Set of 5 each of the 72 standard 5% 1/8 watt carbon film resistors in the series 1.1, 1.3, 1.6, 2.0, 2.4, etc., through 910 kilohm (360 total pcs.).

RS212-ND.....\$16.99

1/4 Watt Resistor Assortment



200 each of all standard values 5% 1/4 watt carbon film resistors in the series 1.0 - 4.7 megohms (32,200 total pieces).

RSQ200-ND\$219.00

Set of 5 each of 73 standard 5% 1/4 watt carbon film resistors in the series 1.0, 1.2, 1.5, 1.8, 2.2, etc., through 1.0 megohm (365 total pcs.).

RS125-ND.....\$14.95

Set of 5 each of the 72 standard 5% 1/4 watt carbon film resistors in the series 1.1, 1.3, 1.6, 2.0, 2.4, etc., through 910 kilohm (360 total pcs.).

RS225-ND.....\$14.95

1/2 Watt Resistor Assortment



200 each of all standard values 5% 1/2 watt carbon film resistors in the series 1.0 - 4.7 megohms (32,200 total pieces).

RSH200-ND\$297.00

Set of 5 each of 73 standard 5% 1/2 watt carbon film resistors in the series 1.0, 1.2, 1.5, 1.8, 2.2, etc., through 1.0 megohm (365 total pcs.).

RS150-ND\$16.95

Set of 5 each of the 72 standard 5% 1/2 watt carbon film resistors in the series 1.1, 1.3, 1.6, 2.0, 2.4, etc., through 910 kilohm (360 total pcs.).

RS250-ND\$16.95

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1206/0805/0603/0402 1% PRECISION THICK FILM CHIP RESISTORS

Surface Mount Available In 1/8, 1/10 & 1/16 Watt

Panasonic

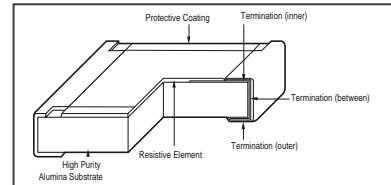
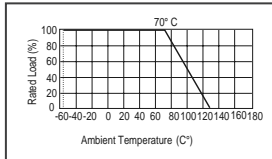
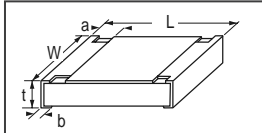
1206 0805 0603 0402
Available in 1/8 1/10 & 1/16

Size	Power Rating at 70°	Maximum RCWV*	Maximum Overload Voltage
0402	1/16 W	50 V	100 V
0603	1/16 W - (1/10 W)**	50 V	100 V
0805	1/10 W - (1/8 W)**	150V	200V
1206	1/8 W - (1/4 W)**	200 V	400V

Resistance to Soldering Heat: $\pm (1.0\% \cdot 0.1\Omega)$ max. with no evidence of mechanical damage. Dip Time: $270^\circ\text{C} \pm 5^\circ\text{C}$, 10 seconds. 100 PPM.

* Rated Continuous Working Voltage (RCWV) shall be determined from $\text{RCWV} = \sqrt{\text{Power Rating} \times \text{Resistance Values}}$, or max. RCWV listed above, whichever is less.

** Available for reduction of load of pulse characteristics (RCWV x 2.5 RCWV x 2.0, R_z1.1k Ω).



Description	Dimensions(mm)				Digi-Key Part No.	Pricing					Panasonic Part No.
	L	W	a	b		10	50	200	1,000	5M	
1/8 Watt, 1206 1% Chip Resistors (Tape & Reel) - (5000/ pkg.)	3.20	1.60	0.50	0.50	0.60	P + Value + "FTR-ND"	—	—	—	15.57/M	ERJ-BENFxxxxV
1/8 Watt, 1206 1% Chip Resistors - (200/ pkg.)	3.20	1.60	0.50	0.50	0.60	P + Value + "FCT-ND"	1.26	3.40	7.81	20.68	ERJ-BENFxxxx
1/10 Watt, 0805 1% Chip Resistors (Tape & Reel) - (5000/ pkg.)	2.00	1.25	0.40	0.40	0.60	P + Value + "CTR-ND"	—	—	—	14.52/M	ERJ-6ENFxxxxV
1/10 Watt, 0805 1% Chip Resistors - (200/ pkg.)	2.00	1.25	0.40	0.40	0.60	P + Value + "CCT-ND"	1.22	3.27	7.51	19.89	ERJ-6ENFxxxx
1/16 Watt 0603 1% Chip Resistors (Tape & Reel) - (5000/ pkg.)	1.60	.80	.30	.30	.45	P + Value + "HTR-ND"	—	—	—	10.62/M	ERJ-3EKFxxxxV
1/16 Watt 0603 1% Chip Resistors - (200/ pkg.)	1.60	.80	.30	.30	.45	P + Value + "HCT-ND"	1.20	3.23	7.41	19.62	ERJ-3EKFxxxx
1/16 Watt 0402 1% Chip Resistors (Tape & Reel) - (5000/ Pkg.)	1.00	.50	.20	.25	.35	P + Value + "LTR-ND"	—	—	—	27.38/M	ERJ-2RKFxxxxX
1/16 Watt 0402 1% Chip Resistors - (200/ pkg.)	1.00	.50	.20	.25	.35	P + Value + "LCT-ND"	2.43	6.55	15.04	39.80	ERJ-2RKFxxxx

See below for values available

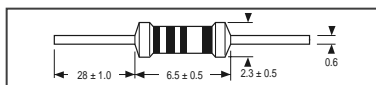
Standard Resistor Values

10.0	19.1	36.5	69.8	133	255	487	931	1.78K	3.40K	6.49K	12.4K	23.7K	45.3K	84.5K	158K	294K	549K
10.2	19.6	37.4	71.5	137	261	499	953	1.82K	3.48K	6.65K	12.7K	24.3K	46.4K	86.6K	162K	301K	562K
10.5	20.0	38.3	73.2	140	267	511	976	1.87K	3.57K	6.81K	13.0K	24.9K	47.5K	88.7K	165K	309K	576K
10.7	20.5	39.2	75.0	143	274	523	1.00K	1.91K	3.65K	6.98K	13.3K	25.5K	48.7K	90.9K	169K	316K	590K
11.0	21.0	40.2	76.8	147	280	536	1.02K	1.96K	3.74K	7.15K	13.7K	26.1K	49.9K	93.1K	174K	324K	604K
11.3	21.5	41.2	78.7	150	287	549	1.05K	2.00K	3.83K	7.32K	14.0K	26.7K	51.1K	95.3K	178K	332K	619K
11.5	22.1	42.2	80.6	154	294	562	1.07K	2.05K	3.92K	7.50K	14.3K	27.4K	52.3K	97.6K	182K	340K	634K
11.8	22.6	43.2	82.5	158	301	576	1.10K	2.10K	4.02K	7.68K	14.7K	28.0K	53.6K	100K	187K	348K	649K
12.1	23.2	44.2	84.5	162	309	590	1.13K	2.15K	4.12K	7.87K	15.0K	28.7K	54.9K	102K	191K	357K	665K
12.4	23.7	45.3	86.6	165	316	604	1.15K	2.21K	4.22K	8.06K	15.4K	29.4K	56.2K	105K	196K	365K	681K
12.7	24.3	46.4	88.7	169	324	619	1.18K	2.26K	4.32K	8.25K	15.8K	30.1K	57.6K	107K	200K	374K	698K
13.0	24.9	47.5	90.9	174	332	634	1.21K	2.32K	4.42K	8.45K	16.2K	30.9K	59.0K	110K	205K	383K	715K
13.3	25.5	48.7	93.1	178	340	649	1.24K	2.37K	4.53K	8.66K	16.5K	31.6K	60.4K	113K	210K	392K	732K
13.7	26.1	49.9	95.3	182	348	665	1.27K	2.43K	4.64K	8.87K	16.9K	32.4K	61.9K	115K	215K	402K	750K
14.0	26.7	51.1	97.6	187	357	681	1.30K	2.49K	4.75K	9.09K	17.4K	33.2K	63.4K	118K	221K	412K	768K
14.3	27.4	52.3	100	191	365	698	1.33K	2.55K	4.87K	9.31K	17.8K	34.0K	64.9K	121K	226K	422K	787K
14.7	28.0	53.6	102	196	374	715	1.37K	2.61K	4.99K	9.53K	18.2K	34.8K	66.5K	124K	232K	432K	806K
15.0	28.7	54.9	105	200	383	732	1.40K	2.67K	5.11K	9.76K	18.7K	35.7K	68.1K	127K	237K	442K	825K
15.4	29.4	56.2	107	205	392	750	1.43K	2.74K	5.23K	10.0K	19.1K	36.5K	69.8K	130K	243K	453K	845K
15.8	30.1	57.6	110	210	402	768	1.47K	2.80K	5.36K	10.2K	19.6K	37.4K	71.5K	133K	249K	464K	866K
16.2	30.9	59.0	113	215	412	787	1.50K	2.87K	5.49K	10.5K	20.0K	38.3K	73.2K	137K	255K	475K	887K
16.5	31.6	60.4	115	221	422	806	1.54K	2.94K	5.62K	10.7K	20.5K	39.2K	75.0K	140K	261K	487K	909K
16.9	32.4	61.9	118	226	432	825	1.58K	3.01K	5.76K	11.0K	21.0K	40.2K	76.8K	143K	267K	499K	931K
17.4	33.2	63.4	121	232	442	845	1.62K	3.09K	5.90K	11.3K	21.5K	41.2K	78.7K	147K	274K	511K	953K
17.8	34.0	64.9	124	237	453	866	1.65K	3.16K	6.04K	11.5K	22.1K	42.2K	80.6K	150K	280K	523K	976K
18.2	34.8	66.5	127	243	464	887	1.69K	3.24K	6.19K	11.8K	22.6K	43.2K	82.5K	154K	287K	536K	1.00M
18.7	35.7	68.1	130	249	475	909	1.74K	3.32K	6.34K	12.1K	23.2K	44.2K					

1% METAL FILM FIXED RESISTORS 1/4 Watt

YAGEO

MF Series



The MF Series Metal Film Resistors are manufactured using vacuum sputtering system to deposit multiple layers of mixed metals and passivative materials onto a carefully treated high grade ceramic substrate, the resistors are coated with layers of light-blue lacquer.

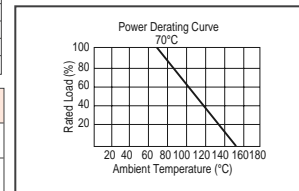
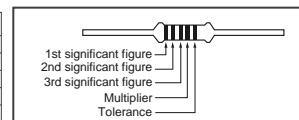
General Specifications: Power Rating: 1/4 Watt. Max. Working Voltage: 250V. Max. Overload Voltage: 500V. Rated Ambient Temperature: 70°C. Temperature Cycling: -65°C to +150°C. Resistance Range: 10.0 Ω to 1.00M Ω . Resistance Tolerance: $\pm 1\%$.
Electrical Specifications: (See "General Specifications" below). All measurements are taken at +25°C at 1KHz and 65% relative humidity, unless stated otherwise. Type: MF-25 Style: RN-55
Power Rating: 1/4 Watt Resistance Tolerance: $\pm 1\%$ Temperature Coefficient: $\pm 100\text{PPM}/^\circ\text{C}$

Description	Digi-Key Part No.	5	200	1M	Pricing 5M	10M	50M	100M	500M	1,000M
1/4 Watt, 1% Metal Film Resistors Bulk Package	Value + "X" + "BK-ND" (i.e. 10.0XBK-ND)	.54	8.27	21.38	18.24/M	15.68/M	12.54/M	—	—	—
1/4 Watt, 1% Metal Film Resistors Order in multiples of 5,000 (5,000 pcs./reel)	Value + "X" + "TR-ND" (i.e. 10.0XTR-ND)	—	—	—	20.63/M	17.60/M	14.30/M	12.10/M	9.90/M	8.80/M

See above for values available.

Characteristics

Temperature Cycling, -65° to +150°C	(%)	± 0.25
Low Temperature Operation, -65°C	(%)	± 0.25
Short Time Overload	(%)	± 0.20
Terminal Strength, 5 lb. pull	(%)	± 0.20
Resistance to Soldering Heat, +350°C	(%)	± 0.10
Moisture Resistance, Mil Std 202	(%)	± 0.50
Life 1000 hrs. (Rated Power)	(%)	± 0.50
Shock, 50G, 11ms	(%)	± 0.20
Vibration-High Frequency, 10-2000Hz	(%)	± 0.20
Insulation Resistance	(%)	$\pm 10^{-11}\Omega$
Failure-Rate	(%)	$10^{-4}/\text{h}$



YAGEO

1% Metal Film Resistor Assortments

35% SAVINGS
Over Parts Purchased Separately



5 Each of Values 10 Ω to 97.6 Ω RS1X-ND	\$29.95
5 Each of Values 100 Ω to 976 Ω RS2X-ND	\$29.95
5 Each of Values 1.00K Ω to 9.76K Ω RS3X-ND	\$29.95
5 Each of Values 10.0K Ω to 97.6K Ω RS4X-ND	\$29.95
5 Each of Values 100K Ω to 1.00M Ω RSSX-ND	\$29.95

Panasonic

1% Chip Resistor Assortments

NEW! 0402 1% Chip Resistor Assortments

RSM1L-ND* 50 ea. of Values 10.0 Ω to 97.6 Ω	\$349.00
RSM2L-ND* 50 ea. of Values 100 Ω to 976 Ω	\$349.00
RSM3L-ND* 50 ea. of Values 1.00K Ω to 9.76K Ω	\$349.00
RSM4L-ND* 50 ea. of Values 10.0K Ω to 97.6K Ω	\$349.00
RSM5L-ND* 50 ea. of Values 100K Ω - 1.00M Ω	\$349.00

0603 1% Chip Resistor Assortments

RSM1H-ND 50 ea. of Values 10.0 Ω to 97.6 Ω	\$199.00
RSM2H-ND 50 ea. of Values 100 Ω to 976 Ω	\$199.00
RSM3H-ND 50 ea. of Values 1.00K Ω to 9.76K Ω	\$199.00
RSM4H-ND 50 ea. of Values 10.0K Ω to 97.6K Ω	\$199.00
RSM5H-ND 50 ea. of Values 100K Ω - 1.00M Ω	\$199.00

* Indicates New Kits

1206 1% Chip Resistor Assortments

RSM1FA-ND* 50 ea. of Values 10 Ω to 97.6 Ω	\$129.95
RSM1F-ND 200 ea. of Values 10 Ω to 97.6 Ω	\$495.00
RSM2FA-ND* 50 ea. of Values 100 Ω to 976 Ω	\$129.95
RSM2F-ND 200 ea. of Values 100 Ω to 976 Ω	\$495.00
RSM3FA-ND* 50 ea. of Values 1.00K Ω to 9.76K Ω	\$129.95
RSM3F-ND 200 ea. of Values 1.00K Ω to 9.76K Ω	\$495.00
RSM4FA-ND* 50 ea. of Values 10.0K Ω to 97.6K Ω	\$129.95
RSM4F-ND 200 ea. of Values 10.0K Ω to 97.6K Ω	\$495.00
RSM5FA-ND* 50 ea. of Values 100K Ω to 1.00M Ω	\$129.95
RSM5F-ND 200 ea. of Values 100K Ω to 1.00M Ω	\$495.00

0805 1% Chip Resistor Assortments

RSM1CA-ND* 50 ea. of Values 10 Ω to 97.6 Ω	\$129.95
RSM1C-ND 200 ea. of Values 10 Ω to 97.6 Ω	\$495.00
RSM2CA-ND* 50 ea. of Values 100 Ω to 976 Ω	\$129.95
RSM2C-ND 200 ea. of Values 100 Ω to 976 Ω	\$495.00
RSM3CA-ND* 50 ea. of Values 1.00K Ω to 9.76K Ω	\$129.95
RSM3C-ND 200 ea. of Values 1.00K Ω to 9.76K Ω	\$495.00
RSM4CA-ND* 50 ea. of Values 10.0K Ω to 97.6K Ω	\$129.95
RSM4C-ND 200 ea. of Values 10.0K Ω to 97.6K Ω	\$495.00
RSM5CA-ND* 50 ea. of Values 100K Ω to 1.00M Ω	\$129.95
RSM5C-ND 200 ea. of Values 100K Ω to 1.00M Ω	\$495.00

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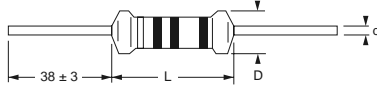
YAGEO

5% METAL OXIDE FILM RESISTORS

PANASONIC®



These Metal Oxide Resistors offer lower cost alternatives to Carbon Composition Resistors and General Purpose Metal Films. They can replace many low power General Purpose wirewound applications. These Metal Oxides meet overload tests in accordance with UL specification #1412 without producing a fire hazard. They withstand solvents in accordance with article Mil-Std-202E without producing mechanical or electrical damage. **Features:** High surge/overload capability. Non-inductive design. Coating and marking resist Trichlorethylene, Freon, and other cleaning agents.



Type	Max. Working Volt.	L	D	d
1W	350	13.0	4.5	0.8
2W	350	17.0	5.5	0.8

1 & 2 Watt Resistor Assortments

255 resistors per assortment. 5 each of the values in the ranges listed:

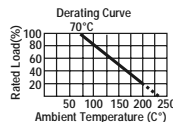
	0.47Ω - 56Ω	62Ω - 7.5KΩ	8.2KΩ - 1.0M	
1 Watt	RS101-ND	RS201-ND	RS301-ND	\$26.95
2 Watt	RS102-ND	RS202-ND	RS302-ND	\$29.95

Standard Resistor Values — See below for complete part numbers when ordering.

0.47	0.82	1.5	2.7	4.3	6.8	11	18	30	47	75	120	200	330	510	820	1.3K	2.2K	3.6K	5.6K	9.1K	15K	24K	39K	62K	100K	160K	270K	430K	680K
0.51	0.91	1.6	3.0	4.7	7.5	12	20	33	51	82	130	220	360	560	910	1.5K	2.4K	3.9K	6.2K	10K	16K	27K	43K	68K	110K	180K	300K	470K	750K
0.56	1.0	1.8	3.3	5.1	8.2	13	22	36	56	91	150	240	390	620	1.0K	1.6K	2.7K	4.3K	6.8K	11K	18K	30K	47K	75K	120K	200K	330K	510K	820K
0.62	1.1	2.0	3.6	5.6	9.1	15	24	39	62	100	160	270	430	680	1.1K	1.8K	3.0K	4.7K	7.5K	12K	20K	33K	51K	82K	130K	220K	360K	560K	910K
0.68	1.2	2.2	3.9	6.2	10	16	27	43	68	110	180	300	470	750	1.2K	2.0K	3.3K	5.1K	8.2K	13K	22K	36K	56K	91K	150K	240K	390K	620K	1.0M
0.75	1.3	2.4																											

Characteristics:

Temperature Coefficient	±100 PPM Typ.
Insulation Resist.	±200 Max
Load Life (1,000 hours)	≤1% Typ. ±3% Max
Short-Time Overload	±0.5% Max
Temp. Cycling	±0.5% Max
Moisture Resistance	±1.0% Max
Shock & Vibration	±0.2% Max
Effect of Soldering	±0.5% Max
Voltage Coefficient	.001%/V
Current Noise	≤1μV/V



Now Available In

Tape and Reel
Matsushita fixed metal oxide film resistors feature small sized dimensions and have higher power rating at the same size as the conventional type.
Features: Flame retardancy of the exclusively formulated inorganic insulative material exhibits an equivalent performance requirements of UL-94 (VE-O) and when operated at a potential less than 16 times RCWV, Matsushita metal (oxide) film resistors never flame nor arc. The coating and markings resist normal washing of solvents, such as Freon (TE, TMC, TF), trichlorethane.

Characteristics:

Temperature Coefficient	R: Wattage of 1, 2, 3 ±200ppm/°C
Voltage Coefficient	25ppm/V Max
Insulation Resist.	10,000 MΩ Min
Temp. Cycling	±(1% + 0.05Ω) Max
Short-Time Overload	±(2% + 0.05Ω) Max
Humidity (Steady State)	±(2% + 0.05Ω) Max
Load Life in Humidity	±(5% + 0.05Ω) Max
Load Life	±(5% + 0.05Ω) Max
Resistance to Soldering Heat	±(1% + 0.05Ω) Max
Vibration Low Freq	±(1% + 0.05Ω) Max
Thermal Shock	±(2% + 0.05Ω) Max
Noise	1.0μV/V Max

Type	Max. Working Volt.	L	D	d
1W	350	9.0	2.8	0.65
2W	350	12.0	4.0	0.80
3W	350	15.0	5.5	0.80

Description	Digi-Key Part Number	1	10	100	1M	5M	10M
1 Watt, 5% Metal Oxide Film Resistors Bulk Package (0.47-0.91Ω)	Value + "W-1-ND" (i.e. 0.47W-1-ND)	.27	1.96	12.60	77.00	68.60/M	61.60/M
1 Watt, 5% Metal Oxide Film Resistors Bulk Package (1.0-1.0MΩ)	Value + "W-1-ND" (i.e. 1.0W-1-ND)	.19	1.40	9.00	55.00	49.00/M	44.00/M
2 Watt, 5% Metal Oxide Film Resistors Bulk Package (0.47-0.91Ω)	Value + "W-2-ND" (i.e. 0.47W-2-ND)	.29	2.10	13.50	82.50	73.50/M	66.00/M
2 Watt, 5% Metal Oxide Film Resistors Bulk Package (1.0-1.0MΩ)	Value + "W-2-ND" (i.e. 1.0W-2-ND)	.23	1.68	10.80	66.00	58.80/M	52.80/M

Description	Digi-Key Part Number	1	5	100	1M	5M	10M
1 Watt, 5% Metal Oxide Film Resistors Bulk Package (0.47-68KΩ)	"P" + Value + "W-1BK-ND" (i.e. P20W-1BK-ND)	.23	.84	9.49	65.47	58.30/M	52.38/M
1 Watt, 5% Metal Oxide Film Resistors Tape and Reel (0.47-68KΩ)	"P" + Value + "W-1TR-ND" (i.e. P1.0KW-1TR-ND)	—	—	—	—	61.20/M	54.99/M
2 Watt, 5% Metal Oxide Film Resistors Bulk Package (0.47-100KΩ)	"P" + Value + "W-2BK-ND" (i.e. P20W-2BK-ND)	.27	1.00	12.86	78.78	70.11/M	62.88/M
2 Watt, 5% Metal Oxide Film Resistors Tape and Reel (0.47-100KΩ)	"P" + Value + "W-2TR-ND" (i.e. P1.0KW-2TR-ND)	—	—	266.94/3M	475.36/6M	854.20/12M	1661.05/27M
3 Watt, 5% Metal Oxide Film Resistors Bulk Package (0.47-100KΩ)	"P" + Value + "W-3BK-ND" (i.e. P20W-3BK-ND)	.49	2.30	29.58	177.50	170.93/M	164.35/M
3 Watt, 5% Metal Oxide Film Resistors Tape and Reel (0.47-100KΩ)	"P" + Value + "W-3TR-ND" (i.e. P1.0KW-3TR-ND)	—	—	297.27/1,500	1058.75/6M	1664.72/10,500	3494.06/25,500

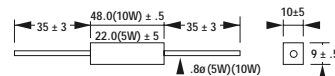
YAGEO

5 & 10 WATT WIREWOUND RECTANGULAR RESISTORS 5%

Axial Lead Type

• **Operating Temperature Range:** -55° to +250°C

• Exceptionally small and sturdy; mechanically safe. Excellent electrical characteristics. • The materials used and the construction techniques ensure excellent flame resistance, arc resistance and moisture resistance as well as self-extinguishing capabilities. They will withstand the most rigorous loading test. • Applicable specifications: EIA RS-344 and EIA RC649.



5 Watt Standard Resistor Values — See below for complete part numbers when ordering.

0.30	0.62	1.2	2.2	3.9	6.8	12	22	39	68	120	220	390	680	1.2K
0.33	0.68	1.3	2.4	4.3	7.5	13	24	43	75	130	240	430	750	1.3K
0.39	0.75	1.5	2.7	4.7	8.2	15	27	47	82	150	270	470	820	1.5K
0.43	0.82	1.6	3.0	5.1	9.1	16	30	51	91	160	300	510	910	1.6K
0.47	0.91	1.8	3.3	5.6	10	18	33	56	100	180	330	560	1.0K	1.8K
0.51	1.0	2.0	3.6	6.2	11	20	36	62	110	200	360	620	1.1K	2.0K
0.56	1.1													

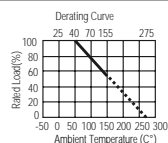
10 Watt Standard Resistor Values — See below for complete part numbers when ordering.

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

Description	Digi-Key Part Number	1	10	100	1M	5M	10M
5 Watt, 5% Metal Wirewound Rectangular Resistors, Bulk Package	Value + "W-5-ND" (i.e. 0.30W-5-ND)	.41	3.41	27.28	163.68	146.63/M	129.58/M
10 Watt, 5% Wirewound Rectangular Resistors, Bulk Package	Value + "W-10-ND" (i.e. 1.0W-10-ND)	.60	5.01	40.08	240.48	215.43/M	190.38/M

Characteristics

Temperature Coefficient	±300 PPM/°C
Insulation Resistance	100 MΩ
Load Life (1,000 hours)	±5% + 0.05Ω
Short-Time Overload	±2% + 0.05Ω
Dielectric Withstanding Volt	±2% + 0.05Ω
Moisture Resistance	±5% + 0.05Ω
Shock and Vibration	±1% + 0.05Ω
Effect of Soldering	±2% + 0.05Ω



5 Watt Resistor Assortment

RS105-ND 0.30Ω-0.91Ω — 5 each 60 Resistors	\$23.95
RS205-ND 1.0Ω-9.1Ω — 4 each 96 Resistors	\$32.95
RS305-ND 10Ω-91Ω — 4 each 96 Resistors	\$32.95
RS405-ND 100Ω-2.0KΩ — 3 each 96 Resistors	\$32.95

10 Watt Resistor Assortment

2 each of all 10 watt standard resistor values listed above. A total of 168 resistors.
R110-ND \$72.95

YAGEO

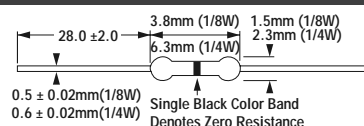
ZEROHM JUMPER WIRES

Applications:

- Generally they are used for the following reasons:
- Inability to connect two points on a P.C. Board due to other circuit paths which must be crossed over.
- An After-the-Fact design change that requires new point connections.
- Circuit tuning by changing point connections.

Specifications:

Maximum Resistance: 0.004 ohm on 1/8 watt, 0.003 ohm on 1/4 watt; Typical Resistance: 0.002 ohm on both; Lead Material: tin-plated copper; Body Material: electrical grade, high performance molding compound; Min. Insulation Resistance — Dry: 10,000 megΩ; Wet: 100 megΩ; Min. Dielectric Withstanding Voltage — Atmospheric: 500V RMS, Reduced: 325V RMS; Insulation Flammability: resistor-insulation is self extinguishing within 10 seconds after externally applied flame is removed; Current Rating: 25 Amps at 25°C, derating to 0 amps at 150°C.



Description	Digi-Key Part No.	5	200	1M	5M	10M	50M
1/8 Watt, Zerohm Jumper, Bulk Package	0.0EBK-ND	.26	8.11	16.28	14.93/M	13.52/M	12.48/M
1/8 Watt, Zerohm Jumper, Tape/Reel (5M Pcs/Reel)	0.0ETR-ND	—	—	—	18.37/M	17.29/M	14.14/M
1/4 Watt, Zerohm Jumper, Bulk Package	0.0OBK-ND	.27	4.93	10.03	9.23/M	8.37/M	7.73/M
1/4 Watt, Zerohm Jumper, Tape/Reel (5M Pcs/Reel)	0.0QTR-ND	—	—	—	11.53/M	10.85/M	8.90/M

1-800-344-4539

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