



X-CIRCUIT-PARALLEL

13 Elements Max. N = Pins 4 through 14

No. Pins	No. of Elements	L
4	3	.398
5	4	.496
*6	5	.594
7	6	.693
*8	7	.795
9	8	.894
*10	9	.996
11	10	1.094
12	11	1.201
13	12	1.299
14	13	1.398

Y-CIRCUIT-DISCRETE

7 Elements Max. N = 6, 8, 10, 12 and 14 Pins

No. Pins	No. of Elements	L
*6	3	.594
*8	4	.795
*10	5	.996
12	6	1.201
14	7	1.398

Z-CIRCUIT-DOUBLE TERMINATION

16 Elements Max. N = 6, 7, 8, 9 and 10 Pins

No. Pins	No. of Elements	L
6	8	.594
7	10	.693
8	12	.795
9	14	.894
10	16	.996

PART NUMBERING SYSTEM

RSL 06 X 102 G
 Single In-Line Resistor Network
 RSL = $\frac{1}{8}W$
 RSC = $\frac{1}{8}W$ (Y&L circuits only)
 RSH = $\frac{1}{8}W$
 No. of Pins
 Circuit Type
 X = Parallel
 Y = Discrete
 Z = Double Termination
 Resistance Code
 First two digits are significant. Last indicates number of zeros.
 Resistance Tolerance
 F = $\pm 1\%$
 G = $\pm 2\%$
 J = $\pm 5\%$

TYPICAL RESISTANCE COMBINATIONS*

R ₁ /R ₂	R ₁ /R ₂	R ₁ /R ₂
160/240	330/390	330/390
180/390	330/470	1.5K/3.3K
220/330	330/680	3K/6.2K

*Note 1: In addition to R₁=R₂ resistance combinations, the typical resistor combinations shown in the chart are available.

2: RC networks are also available. Contact Murata Electronics for technical details.

SPECIFICATIONS

Electrical
 Temp. Range: -55°C to +125°C
 Resistance Range: 22Ω to 1MΩ
 Resistance Tolerance: $\pm 1\%$ (F), $\pm 2\%$ (G), $\pm 5\%$ (J)
 Temp. Coefficient: ± 200 ppm/°C max. (± 100 ppm/°C max. on special order)
 Power: 100% at 70°C
 Maximum ambient temperature at 0 watt is 125°C

Power Derating Characteristics:

Mechanical
 Substrate Material: Alumina
 Resistor Material: Cermet, thick film
 Lead Pull Strength: 2 lbs.
 Coating: Meets UL94V-0 standards

Note: Other types and custom designs are also available.

COMMON SIZES/TOLERANCE

Part No.	Tol. (%)	Part No.	Tol. (%)
RSL (Low Profile) $\frac{1}{8}W$		RSH $\frac{1}{8}W$	
*RSL06X(000)G	± 2	*RSH06X(000)G	± 2
*RSL08X(000)G	± 2	*RSH08X(000)G	± 2
*RSL10X(000)G	± 2	*RSH10X(000)G	± 2
RSL06X(000)J	± 5	RSH06X(000)J	± 5
RSL08X(000)J	± 5	RSH08X(000)J	± 5
RSL10X(000)J	± 5	RSH10X(000)J	± 5
RSC $\frac{1}{8}W$		RSC $\frac{1}{8}W$	
*RSL06Y(000)G	± 2	*RSC06Y(000)G	± 2
*RSL08Y(000)G	± 2	*RSC08Y(000)G	± 2
*RSL10Y(000)G	± 2	*RSC10Y(000)G	± 2
RSL06Y(000)J	± 5	RSC06Y(000)J	± 5
RSL08Y(000)J	± 5	RSC08Y(000)J	± 5
RSL10Y(000)J	± 5	RSC10Y(000)J	± 5

★ PREFERRED VALUES

Res.(ohms)	Code	Res.(ohms)	Code	Res.(ohms)	Code	Res.(ohms)	Code	Res.(ohms)	Code	Res.(ohms)	Code	Res.(ohms)	Code
22	220	110	111	510	511	2400	242	11000	113	51000	513	240000	244
24	240	120	121	560	561	2700	272	12000	123	56000	563	270000	274
27	270	130	131	620	621	3000	302	13000	133	62000	623	300000	304
30	300	150	151	680	681	3300	332	15000	153	68000	683	330000	334
33	330	160	161	750	751	3600	362	16000	163	75000	753	360000	364
36	360	180	181	820	821	3900	392	18000	183	82000	823	390000	394
39	390	200	201	910	911	4300	432	20000	203	91000	913	430000	434
43	430	220	221	1000	102	4700	472	22000	223	100000	104	470000	474
47	470	240	241	1100	112	5100	512	24000	243	110000	114	510000	514
51	510	270	271	1200	122	5600	562	27000	273	120000	124	560000	564
56	560	300	301	1300	132	6200	622	30000	303	130000	134	620000	624
62	620	330	331	1500	152	6800	682	33000	333	150000	154	680000	684
68	680	360	361	1600	162	7500	752	36000	363	160000	164	750000	754
75	750	390	391	1800	182	8200	822	39000	393	180000	184	820000	824
82	820	430	431	2000	202	9100	912	43000	433	200000	204	910000	914
91	910	470	471	2200	222	10000	103	47000	473	220000	224	1000000	105
100	101												

*Available as standard through authorized Murata Electronics Distributors.