

# SANSUI

## COMMON PARTS LISTS FOR RESISTORS & CAPACITORS

< Issued on Feb, 1983 >

On this parts list, seven sorts of resistors, & nine sorts of capacitors, which are commonly used in the Sansui products, are listed. Since these resistors & capacitors on this list are omitted from service manual, please confirm shape, resistance or capacitance value, schematic diagram, and this list on the parts when replacing the parts with trouble. In addition, please pay attention to fill out the name and stock number (8 digit) of parts when order.

With the issue of this parts list, please abandon the "Common Part List for Resistance & Capacitors" previously issued.

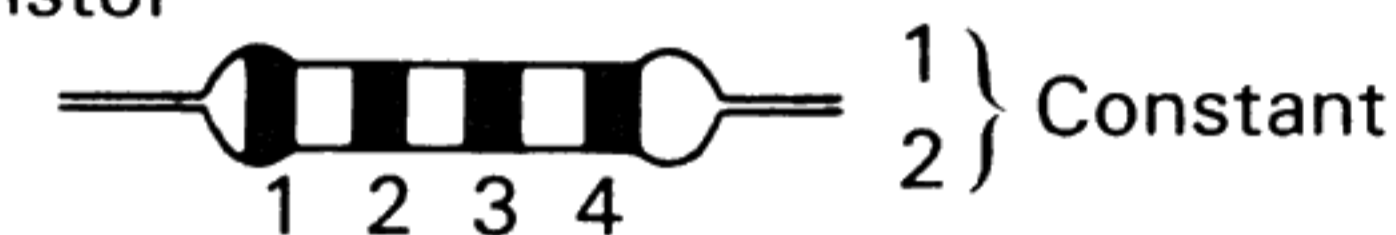
**Notice:**

Capacitors & Resistors on this parts list include one not to be used in Sansui products, therefore they can not be supplied although ordered.

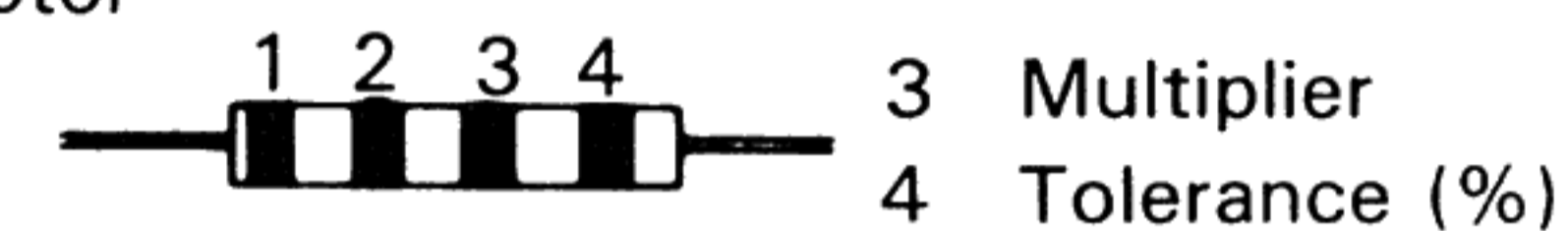
◆ **Resistors**

—How to read color cord—

Carbon resistor



Solid resistor



For example:

- 1. Brown    2. Red
- 3. Orange   4. Silver
- =  $12 \times 10^3 (\Omega) \pm 10\%$
- =  $12k\Omega \pm 10\%$

- Gold:         $\pm 5\%$
- Silver:       $\pm 10\%$
- Colorless:  $\pm 20\%$

Color	1	2	3	4
Black	0	0	$10^0$	
Brown	1	1	$10^1$	
Red	2	2	$10^2$	
Orange	3	3	$10^3$	
Yellow	4	4	$10^4$	
Green	5	5	$10^5$	
Blue	6	6	$10^6$	

Color	1	2	3	4
Purple	7	7	—	
Gray	8	8	—	
White	9	9	—	
Gold	—	—	$10^{-1}$	$\pm 5\%$
Silver	—	—	$10^{-2}$	$\pm 10\%$
Colorless	—	—	—	$\pm 20\%$

◆ **Symbol mark on schematic diagram & abbreviation on service manual**

Abbreviation	Name	Symbol
C.R.	Carbon Resistor	none
F.R.	Fusing Resistor	
N.I.R.	Non-Inflamable Resistor	
Ce.R.	Cement Resistor	
P.R.	Printed Resistor	

Abbreviation	Name	Symbol
F.C. (m)	Film (Mylar) Capacitor	
Ta.C.	Tantalum Capacitor	(Ta)
P.C.	Polystyrene Capacitor	
C.C.	Ceramic Capacitor	
C.T.	Ceramic Capacitor Temperature Compensation	
E.C.	Electric Capacitor	
E.B.L.	Low Leak Electrolytic Capacitor	

◆ **Tolerance (%)**

G	J	K	L	M
$\pm 2$	$\pm 5$	$\pm 10$	$\pm 15$	$\pm 20$



SANSUI ELECTRIC CO., LTD.

◆ Common resistors and capacitors in this parts list substitute for other types of resistors and capacitors.  
The following list shows relations between original and substitution parts.

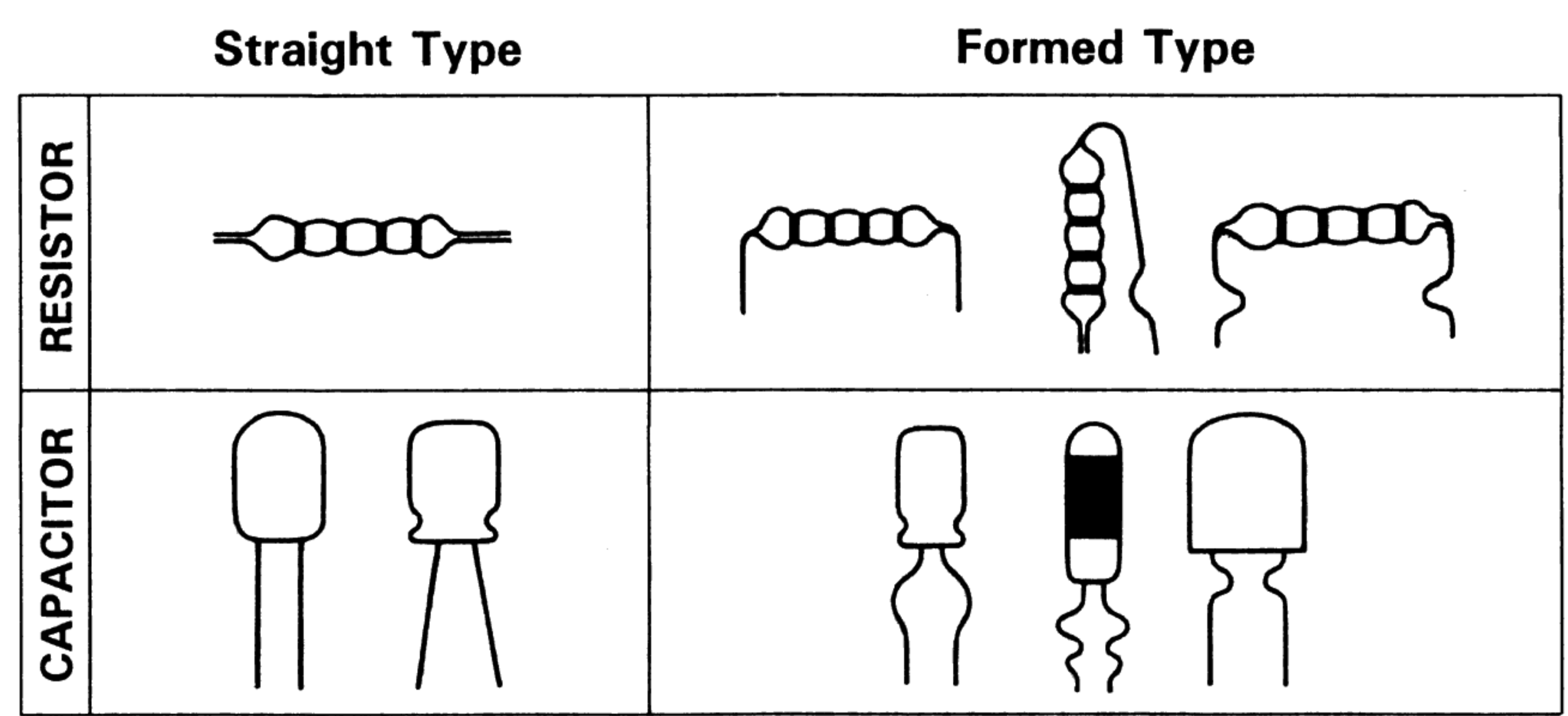
**1. RESISTOR**

	COMMON RESISTORS (Substitute Resistor)	ORIGINAL RESISTOR
1-1	Carbon Resistor 1/6W, Tolerance ± 5% (J)	•Printed Resistor
1-2	Carbon Resistor 1/3W, Tolerance ± 5% (J)	•Carbon Resistor 1/4W •Solid Resistor 1/4W
1-3	Fusing Resistor 1/4W, Tolerance ± 5% (J)	
1-4	Fusing Resistor 1/2W, Tolerance ± 5% (J)	
1-5	Non-Inflamable Resistor 1W, Tolerance ± 5% (J)	•Non-Inflamable 1/2W Resistor •Solid Resistor 1/2W
1-6	Cement Resistor 2W, Tolerance ± 10% (K)	
1-7	Cement Resistor 5W, Tolerance ± 10% (K)	•Cement Resistor 3W

**2. CAPACITOR**

	COMMON CAPACITOR (Substitute Capacitor)	ORIGINAL CAPACITOR
2-1	Electrolytic Capacitor 10 ~ 100V, Polar Type	•Use capacitor of 10V type in lieu of one with 6.3V Type
2-2	Low Leak Electrolytic Capacitor 50V, Polar Type Tolerance ± 20% (M)	•Low Leak Electrolytic Capacitor 25V
2-3	Tantalum Capacitor 35V, Tolerance ± 20% (M)	
2-4	Film (Mylar) Capacitor Tolerance ± 5% (J), 50V	
2-5	Polystyrene Capacitor 50V (Vertical Type), Tolerance ± 5% (J)	
2-6	Polystyrene Capacitor 125V, (Vertical Type) Tolerance ± 5% (J)	
2-7	Ceramic Capacitor 25V, Tolerance ± 10% (K)	
2-8	Ceramic Capacitor 50V, (Standard Type)	
2-9	Ceramic Capacitor 50V, Temperature Compensation	

\* There are some types of lead wires of resistors and capacitors. One is straight lead wire type, and others are formed lead wire type. As the straight lead wire type is selected for common resistors and capacitors, please substitute the straight lead wire type for the formed lead wire type.



# [1] RESISTOR

## 1-1. Carbon Resistor 1/6W, Tolerance ±5% (J)

## 1-2. Carbon Resistor 1/3W, Tolerance ±5% (J)

Value (Ω)	C.R. 1/6W	C.R. 1/3W
	Stock No.	Stock No.
1.0		00249000
1.1		00249700
1.2		00250400
1.3		00251100
1.5		00251800
1.6		00252500
1.8		00253200
2.0		00253900
2.2	46471100	00254600
2.4	46471200	00255200
2.7	46471300	00255800
3.0	46471400	00256400
3.3	46471500	00257000
3.6	46471600	00257600
3.9	46471700	00258200
4.3	46471800	00258800
4.7	46471900	00259400
5.1	46472000	00260000
5.6	46472100	00260600
6.2	46472200	00261200
6.8	46472300	00261800
7.5	46472400	00262400
8.2	46472500	00263000
9.1	46472600	00263600
10.0	46472700	00264200
11.0	46472800	00264800
12.0	46472900	00265400
13.0	46473000	00266000
15.0	46473100	00266600
16.0	46473200	00267200
18.0	46473300	00267800
20.0	46473400	00268400
22.0	46473500	00269000
24.0	46473600	00269600
27.0	46473700	00270200
30.0	46473800	00270800
33.0	46473900	00271400
36.0	46474000	00272000
39.0	46474100	00272600
43.0	46474200	00273200

Value (Ω)	C.R. 1/6W	C.R. 1/3W
	Stock No.	Stock No.
47.0	46474300	00258900
51.0	46474400	00259500
56.0	46474500	00260100
62.0	46474600	00260700
68.0	46474700	00261300
75.0	46474800	00261900
82.0	46474900	00262500
91.0	46475000	00263100
100.0	46475100	00248500
110.0	46475200	00249200
120.0	46475300	00249900
130.0	46475400	00250600
150.0	46475500	00251300
160.0	46475600	00252000
180.0	46475700	00252700
200.0	46475800	00253400
220.0	46475900	00254100
240.0	46476000	00254800
270.0	46476100	00255400
300.0	46476200	00256000
330.0	46476300	00256600
360.0	46476400	00257200
390.0	46476500	00257800
430.0	46476600	00258400
470.0	46476700	00259000
510.0	46476800	00225960
560.0	46476900	00260200
620.0	46477000	00260800
680.0	46499600	00261400
750.0	46477100	00262000
820.0	46477200	00262600
910.0	46477300	00263200
1.0k	46477400	00248600
1.1k	46477500	00249300
1.2k	46477600	00250000
1.3k	46477700	00250700
1.5k	46477800	00251400
1.6k	46477900	00252100
1.8k	46478000	00252800
2.0k	46478100	

Value (Ω)	C.R. 1/6W	C.R. 1/3W
	Stock No.	Stock No.
2.2k	46478200	00254200
2.4k	46478300	00254900
2.7k	46478400	00255500
3.0k	46478500	00256100
3.3k	46478600	00256700
3.6k	46478700	00257300
3.9k	46478800	00257900
4.3k	46478900	00258500
4.7k	46479000	00259100
5.1k	46479100	00259700
5.6k	46479200	00260300
6.2k	46479300	00260900
6.8k	46479400	00261500
7.5k	46479500	00262100
8.2k	46479600	00262700
9.1k	46479700	00263300
10.0k	46479800	00248700
11.0k	46479900	00249400
12.0k	46480000	00250100
13.0k	46480100	00250800
15.0k	46480200	00251500
16.0k	46480300	00252200
18.0k	46480400	00252900
20.0k	46480500	00253600
22.0k	46480600	00254300
24.0k	46480700	00255000
27.0k	46480800	00255600
30.0k	46480900	00256200
33.0k	46481000	00256800
36.0k	46481100	00257400
39.0k	46481200	00258000
43.0k	46481300	00258600
47.0k	46481400	00259200
51.0k	46481500	00259800
56.0k	46481600	00260400
62.0k	46481700	00261000
68.0k	46481800	00261600
75.0k	46481900	00262200
82.0k	46482000	00262800
91.0k	46482100	00263400

Value (Ω)	C.R. 1/6W	C.R. 1/3W
	Stock No.	Stock No.
100.0k	46482200	00248800
110.0k	46482300	00249500
120.0k	46482400	00250200
130.0k	46482500	00250900
150.0k	46482600	00251600
160.0k	46482700	00252300
180.0k	46482800	00253000
200.0k	46482900	00253700
220.0k	46483000	00254400
240.0k	46483100	00255100
270.0k	46483200	00255700
300.0k	46483300	00256300
330.0k	46483400	00256900
360.0k	46483500	00257500
390.0k	46483600	00258100
430.0k	46483700	00258700
470.0k	46483800	00259300
510.0k	46483900	00259900
560.0k	46484000	00260500
620.0k	46484100	00261100
680.0k	46484200	00261700
750.0k	46484300	00262300
820.0k	46484400	00262900
910.0k	46484500	00263500
1.0M	46484600	00248900
1.1M		00249600
1.2M		00250300
1.3M		00251000
1.5M		00251700
1.6M		00252400
1.8M		00253100
2.0M		00253800
2.2M		00254500
2.4M		00594200
2.7M		00594300
3.0M		00594400
3.3M		00594500

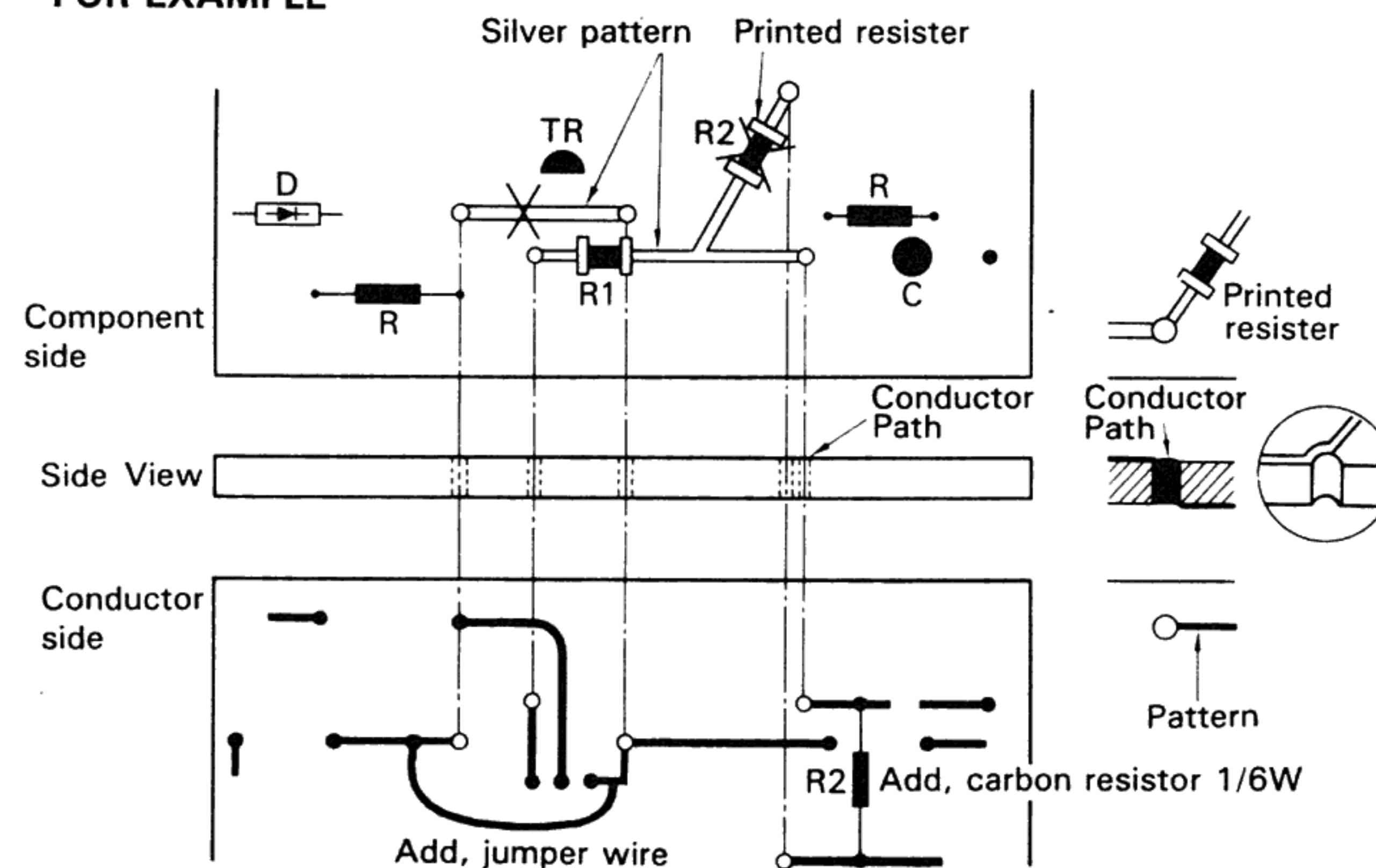
### • Notice for replacement of printed resistor and silver pattern

The printed resistor of carbon resin and the printed silver foil pattern are coated on some printed circuit board.

And it is impossible to replace those parts. Therefore, please keep following notice when repairing or ordering parts.

1. When repairing the printed resistor, cut off center portion of the printed resistor to make complete open circuit. Then solder 1/6W type carbon resistor between copper patterns at both ends of the printed resistor.
2. When repairing the printed silver pattern, solder a jumper wire between copper patterns at both ends of the printed silver pattern.
3. As conductor path is easy to break, do not put any wires through holes of conductor path.
4. Do not heat up any conductor path.

### FOR EXAMPLE



**1-3. Fusing Resistor 1/4W, Tolerance ±5% (J)**

**1-4. Fusing Resistor 1/2W, Tolerance ±5% (J)**

Value (Ω)	F.R. 1/4W	F.R. 1/2W
	Stock No.	Stock No.
1.0		00120000
1.2		00120300
1.5		00120600
1.8		00120900
2.2		00121200
2.7		00121500
3.3		00121800
3.9		00122100
4.7	00119000	00122400
5.6	00119200	00122700

Value (Ω)	F.R. 1/4W	F.R. 1/2W
	Stock No.	Stock No.
6.8	00119400	00123000
8.2	00119600	00123300
10.0	00117200	00119700
12.0	00117400	00120100
15.0	00117600	00120400
18.0	00117800	00120700
22.0	00118000	00121000
27.0	00118200	00121300
33.0	00118400	00121600
39.0	00118600	00121900

Value (Ω)	F.R. 1/4W	F.R. 1/2W
	Stock No.	Stock No.
47.0	00118800	00122200
56.0	00119100	00122500
68.0	00119300	00122800
82.0	00119500	00123100
100.0	00117300	00119800
120.0	00117500	00120200
150.0	00117700	00120500
180.0	00117900	00120800
220.0	00118100	00121100
270.0	00118300	00121400

Value (Ω)	F.R. 1/4W	F.R. 1/2W
	Stock No.	Stock No.
330.0	00118500	00121700
390.0	00118700	00122000
470.0	00118900	00122300
560.0		00122600
680.0		00122900
820.0		00123200
1.0k		00119900

**1-5. Non-Inflamable Resistor 1W, Tolerance ±5% (J)**

Value (Ω)	Stock No.
0.22	46239200
0.27	46239300
0.33	46239400
0.39	46239500
0.47	46239600
0.56	46239700
0.68	46239800
0.82	46239900
1.0	46240000
1.2	46240100
1.5	46240200
1.8	46240300

Value (Ω)	Stock No.
2.2	46240400
2.7	46240500
3.3	46240600
3.9	46240700
4.7	46240800
5.6	46240900
6.8	46241000
8.2	46241100
10.0	46241200
12.0	46241300
15.0	46241400
18.0	46241500

Value (Ω)	Stock No.
22.0	46241600
27.0	46241700
33.0	46241800
39.0	46241900
47.0	46242000
56.0	46242100
68.0	46242200
82.0	46242300
100.0	46242400
120.0	46242500
150.0	46242600
180.0	46242700

Value (Ω)	Stock No.
220.0	46242800
270.0	46242900
330.0	46243000
390.0	46243100
470.0	46243200
560.0	46243300
680.0	46243400
820.0	46243500
1.0k	46243600
1.2k	46243700
1.5k	46243800
1.8k	46243900

Value (Ω)	Stock No.
2.2k	46244000
2.7k	46244100
3.3k	46244200
3.9k	46244300
4.7k	46244400
5.6k	46244500
6.8k	46244600
8.2k	46244700
10.0k	46244800
12.0k	46244900
15.0k	46245000
18.0k	46245100

Value (Ω)	Stock No.
22.0k	46245200
27.0k	46245300
33.0k	46245400
39.0k	46245500
47.0k	46245600
56.0k	46245700
68.0k	46245800
82.0k	46245900
100.0k	46246000

Note: When soldering a non-inflamable resistor, keep it away approximately 1 cm (2/5") from printed circuit board.

**1-6. Cement Resistor 2W, Tolerance ±10% (K)**

**1-7. Cement Resistor 5W, Tolerance ±10% (K)**

Value (Ω)	Ce.R.2W	Ce.R.5W
	Stock No.	Stock No.
0.15	00068000	
0.18	00068300	
0.22	00068600	00080000
0.27	00068900	00080400
0.33	00069200	00080700
0.39	00069500	00081000
0.47	00069800	00081300
0.56	00070100	00081600
0.68	00070400	00082000
0.82	00070700	00082300
1.0	00067600	00078800
1.2	00067800	00079100
1.5	00068100	00079400
1.8	00068400	00079700
2.2	00068700	00080100
2.7	00069000	00080500
3.3	00069300	00080800

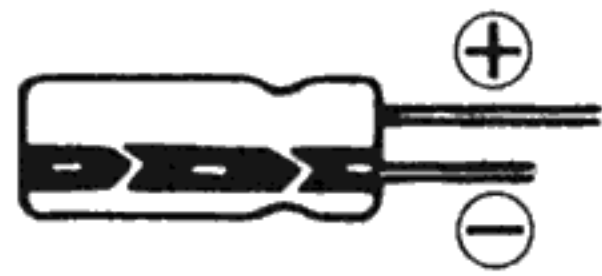
Value (Ω)	Ce.R.2W	Ce.R.5W
	Stock No.	Stock No.
3.9	00069600	00081100
4.7	00069900	00081400
5.6	00070200	00081700
6.8	00070500	00082100
8.2	00070800	00082400
10.0	00067400	00078600
12.0	00067700	00078900
15.0	00067900	00079200
18.0	00068200	00079500
22.0	00068500	00079800
27.0	00068800	00080200
33.0	00069100	00080600
39.0	00069400	00080900
47.0	00069700	00081200
56.0	00070000	00081500
68.0	00070300	00081800
82.0	00070600	00082200

Value (Ω)	Ce.R.2W	Ce.R.5W
	Stock No.	Stock No.
100.0	00067500	00078700
120.0		00079000
150.0	00092000	00079300
180.0		00079600
220.0		00079900
270.0		00080300
330.0		00096200
390.0		00096500
470.0		00096800
560.0	00092100	00097100
680.0		00081900
820.0		00097500
1.0k		00095000
1.2k		00095200
1.5k		00095400
1.8k		00095600
2.2k		00095800

Value (Ω)	Ce.R.2W	Ce.R.5W
	Stock No.	Stock No.
2.7k		00096000
3.3k		00096300
3.9k		00096600
4.7k		00096900
5.6k		00097200
6.8k		00097400
8.2k		00097600
10.0k		00095100
12.0k		00095300
15.0k		00095500
18.0k		00095700
22.0k		00095900
27.0k		00096100
33.0k		00096400
39.0k		00096700
47.0k		00097000

## 2. CAPACITORS

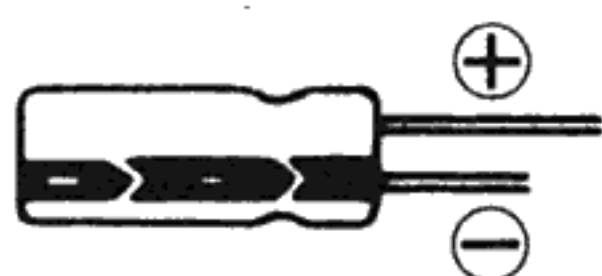
### 2-1. Electric Capacitor 10~100V, Polar Type



•There are three sorts of case blue, black and gray.

W.V	10V	16V	25V	35V	50V	63V	80V	100V
Value(μF)	Stock No.	Stock No.	Stock No.	Stock No.	Stock No.	Stock No.	Stock No.	Stock No.
0.1								08407100
0.15								08407200
0.22								08407300
0.33								08407400
0.47								08407500
0.68								08407600
1.0					08404000			08407700
2.2					08404100			08407800
3.3					08404200			08407900
4.7					08404300			08408000
10.0					08404400	08405400	08406300	08408100
22.0			08402200	08403100	08404500	08405500	08406400	46552100
33.0		08401400	08402300	08403200	08404600	08405600	08406500	08408300
47.0	08400700	08401500	08402400	08403300	08404700	08405700	08406600	08408400
100.0	08400800	08401600	08402500	46551700	08404800	08405800	08406700	08408500
220.0	08400900	46551000	08402600	08403500	08404900	08405900	08406800	08408600
330.0	46550700	08401800	08402700	08403600	08405000	08406000	08406900	08408700
470.0	08401100	08401900	08402800	08403700	08405100	08406100	08407000	08408800
1000.0	08401200	08402000	08402900	08403800	08405200	08406200		
2200.0	08401300	08402100	08403000	08403900	08405300			
3300.0	46187600	46188200	46184700					
4700.0	46187700	46188300						
6800.0	46187800							

### 2-2. Low Leak Electric Capacitor 50V, Polar Type (Tolerance ±20% (M))

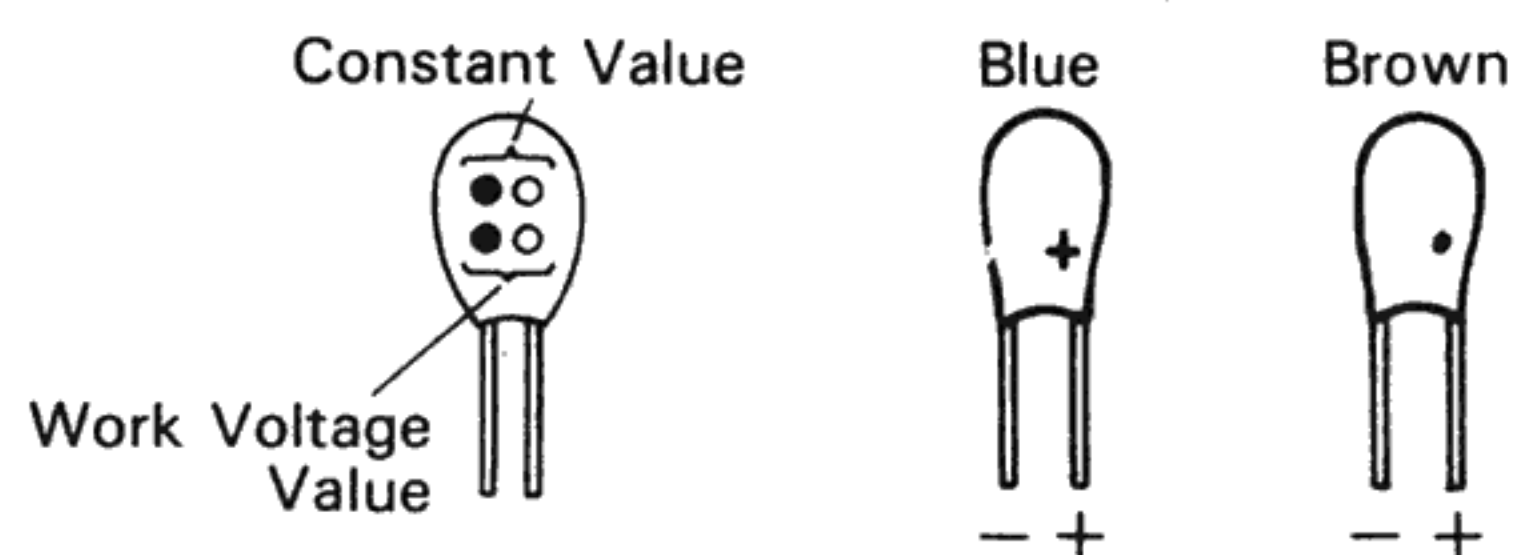


•The case color is only orange.

Value(μF)	Stock No.	Value(μF)	Stock No.	Value(μF)	Stock No.
0.1	46030500	2.2	46031000	68.0	46031800
0.15	46424500	3.3	46031100	100.0	46031900
0.22	46030600	4.7	46031200	150.0	46033200
0.33	46424700	6.8	46031300	220.0	46032100
0.47	46030700	10.0	46031400	330.0	46032200
0.68	46424900	22.0	46031500	470.0	46032300
1.0	46030800	33.0	46031600		
1.5	46030900	47.0	46031700		

### 2-3. Tantalum Capacitor 35V, Tolerance ±20% (M)

Indication

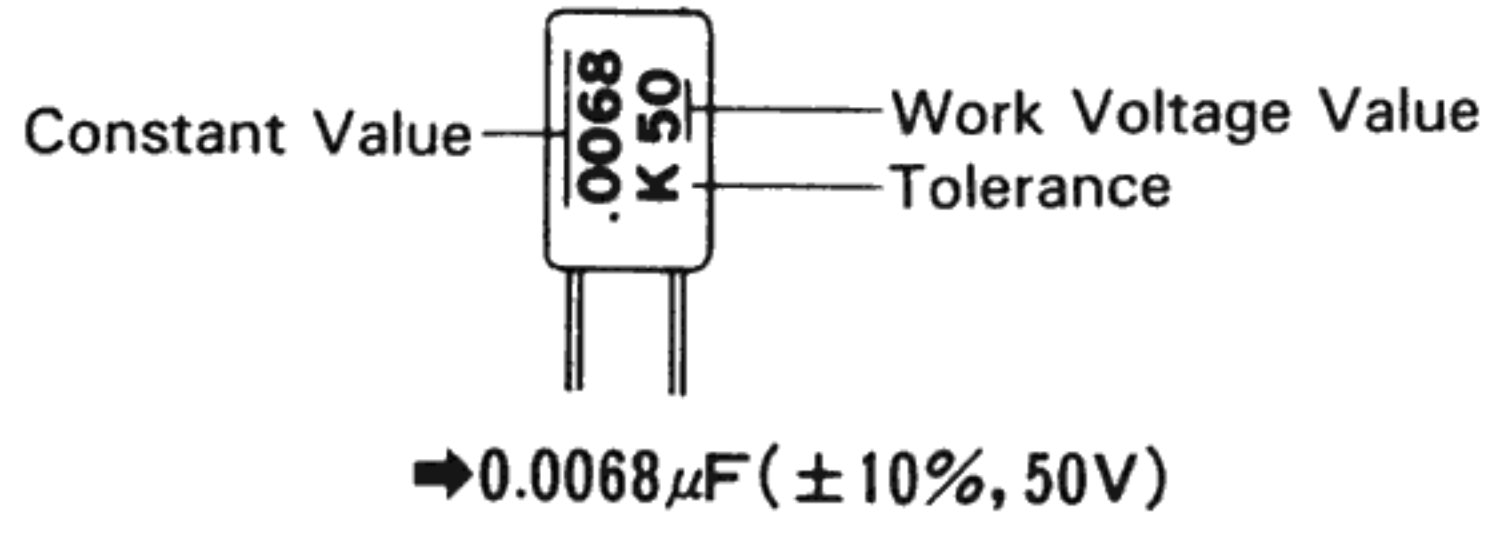
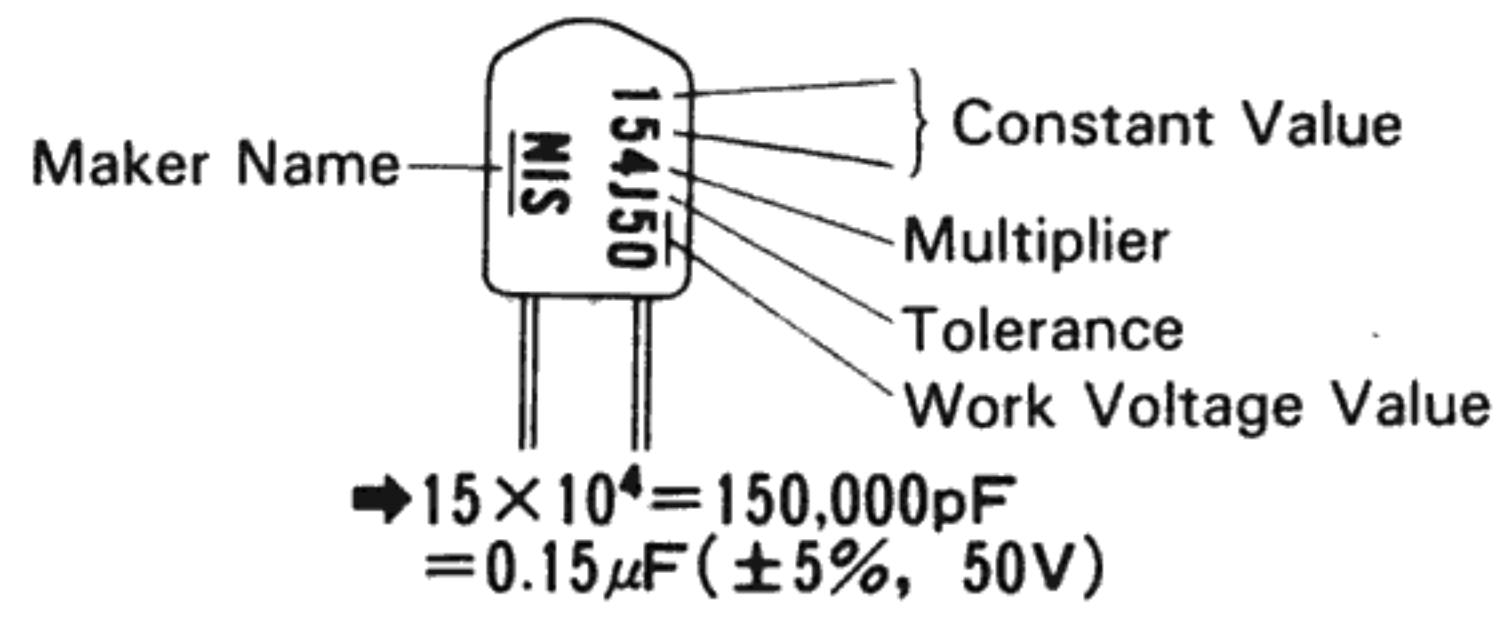


Value(μF)	Stock No.	Value(μF)	Stock No.	Value(μF)	Stock No.
0.068	00323700	0.47	00323500	3.3	00323400
0.1	00322700	0.68	00323800	4.7	00323600
0.15	00322900	1.0	00322800	6.8	00323900
0.22	00323100	1.5	00323000	10.0	00322600
0.33	00323300	2.2	00323200		

•There are blue & brown type of tantalum capacitor, however both type can be used commonly.

## 2-4. Film (Mylar) Capacitor 50V, Tolerance ±5% (J)

\*Use capacitor with of 10V Type in lieu of one with 0.3V Type.

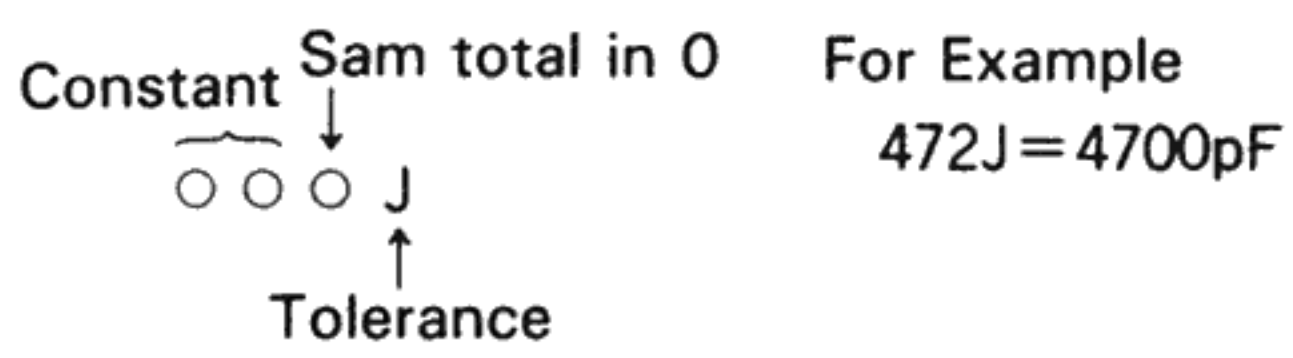


Value(μF)	Stock No.	Value(μF)	Stock No.	Value(μF)	Stock No.
0.00082	00343500	0.0062	00342800	0.047	00342200
0.00091	00343800	0.0068	00343000	0.051	00342500
0.001	00337700	0.0075	00343200	0.056	00342700
0.0011	00338000	0.0082	00343600	0.062	00342900
0.0012	00338300	0.0091	00343900	0.068	00343100
0.0013	00338600	0.01	00337800	0.075	00343300
0.0015	00338900	0.011	00338100	0.082	00343700
0.0016	00339200	0.012	00338400	0.091	00344000
0.0018	00339500	0.013	00338700	0.1	00337900
0.002	00339800	0.015	00339000	0.11	00338200
0.0022	00340100	0.016	00339300	0.12	00338500
0.0024	00340400	0.018	00339600	0.13	00338800
0.0027	00340600	0.02	00339900	0.15	00339100
0.003	00340900	0.022	00340200	0.16	00339400
0.0033	00341100	0.024	00340500	0.18	00339700
0.0036	00341400	0.027	00340700	0.2	00340000
0.0039	00341600	0.03	00341000	0.22	00340300
0.0043	00341900	0.033	00341200	0.27	00340800
0.0047	00342100	0.036	00341500	0.33	00341300
0.0051	00342400	0.039	00341700	0.39	00341800
0.0056	00342600	0.043	00342000	0.47	00342300

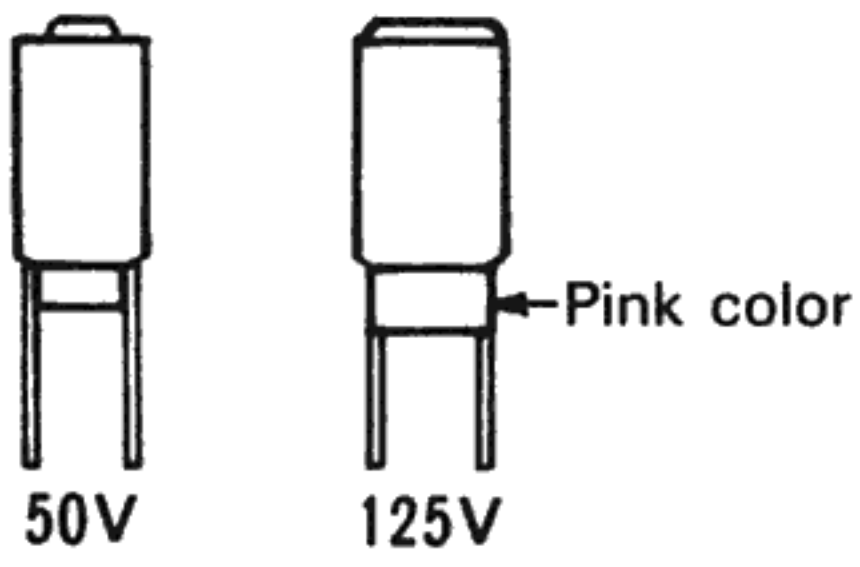
## 2-5. Polystyrene Capacitor (Vertical Type) 50V, Tolerance ±5% (J)

## 2-6. Polystyrene Capacitor (Vertical Type) 125V, Tolerance ±5% (J)

Indication



Capacitors, 1pF to 82pF have tolerance of ±10% (K)



Value (pF)	50V(J)	125V(J)	Value (pF)	50V(J)	125V(J)	Value (pF)	50V(J)	125V(J)
	Stock No.	Stock No.		Stock No.	Stock No.		Stock No.	
1		46415000	130	00357900	00365700	1300	00358000	00365800
2		46415100	150	00358100	00365900	1500	00358200	00366000
3		46415200	160	00358300	00366100	1600	00358400	00366200
4		46415300	180	00358600	00366300	1800	00358700	00366400
5		46415400	200	00358800	00366500	2000	00358900	00366600
6		46415500	220	00359000	00366700	2200	00359100	00366800
7		46415600	240	00359200	00366900	2400	00359300	00367000
8		46415700	270	00359400	00367100	2700	00359500	00367200
9		46415800	300	00359600	00367300	3000	00359700	00367400
10		46415900	330	00359800	00367500	3300	00359900	00367600
12		46416000	360	00360000	00367700	3600	00350100	00367800
15		46416100	390	00360200	00367900	3900	00363000	00368000
18		46416200	430	00360400	00368100	4300	00360500	00368200
22		46416300	470	00360600	00368400	4700	00360700	00368500
27		46416400	510	00360900	00368600	5100	00361000	00368700
33		46416500	560	00361000	00368800	5600	00361200	00368900
39		46416600	620	00361100	00369000	6200	00361400	00369100
47		46416700	680	00361500	00369300	6800	00361600	00369400
56		46416800	750	00361700	00369500	7500	00361800	00369600
68		46416900	820	00361900	00369700	8200	00362000	00369800
82		46417000	910	00362100	00369900	9100	00362200	00370000
100	00357100	00364900	1000	00357200	00365000	10000	00357300	00365100
110	00357400	00365200	1100	00357500	00365300	11000	00357600	00365400
120	00357700	00365500	1200	00357800	00365600			

### 2-7. Ceramic Capacitor 25V, Tolerance ±10% (K)

Value (pF)	Stock No.	Indication	Value (pF)	Stock No.	Indication	Value (pF)	Stock No.	Indication
1000	07211300	102k	5600	07212900	562k	33000	07213800	333k
1200	07212100	122k	6800	07213000	682k	39000	07213900	393k
1500	07212200	152k	8200	07213100	822k	47000	07214000	473k
1800	07212300	182k	10000	07213200	103k	56000	07214100	563k
2200	07212400	222k	12000	07213300	123k	68000	07214200	683k
2700	07212500	272k	15000	07213400	153k	82000	07214300	823k
3300	07212600	332k	18000	07213500	183k	100000	07214400	104k
3900	07212700	392k	22000	07213600	223k	120000	07214500	124k
4700	07212800	472k	27000	07213700	273k	150000	07214600	154k

### 2-8. Ceramic Capacitor 50V (Standard Type)



•No color indication on top.  
For example 1.5pF.

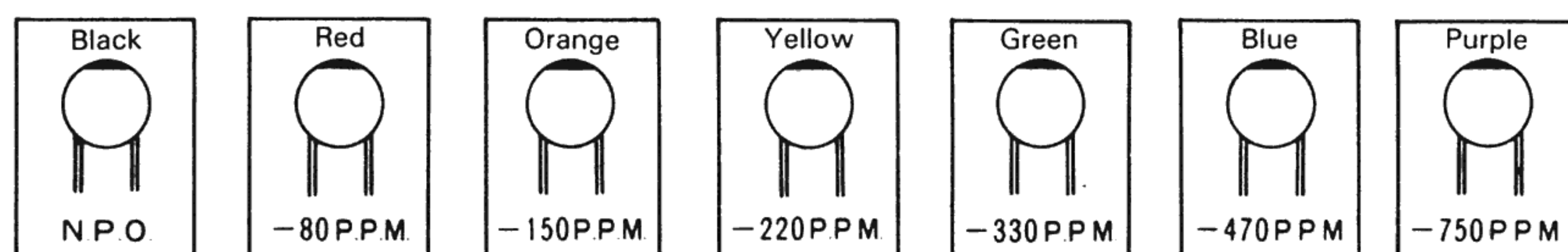
Value (pF)	Stock No.	Indication
1(±0.5)	00381600	<u>1</u>
1.5	00382100	<u>1.5</u>
2	00382400	<u>2</u>
3	00383100	<u>3</u>
4	00383600	<u>4</u>
5	00384100	<u>5</u>
6	00384300	<u>6</u>
7	00384500	<u>7</u>
8	00384600	<u>8</u>
9	00384800	<u>9</u>
10	00381200	<u>10</u>
12(±10%)	00381700	<u>12</u>
15	00381900	<u>15</u>
18	00382200	<u>18</u>
22	00382500	<u>22</u>
27	00382900	<u>27</u>
33	00383200	<u>33</u>
39	00383400	<u>39</u>
47	00383700	<u>47pF</u>
56	00384200	<u>56pF</u>
68	00384400	<u>68pF</u>
82	00384700	<u>82pF</u>
91	07251800	<u>91pF</u>
100	00381300	<u>100pF</u>
120	00381800	<u>120pF</u>
150	00382000	<u>150pF</u>
180	00382300	<u>180pF</u>
220	00382600	<u>220pF</u>
270	00383000	<u>270pF</u>
330	00383300	<u>330pF</u>
390	00383500	<u>390pF</u>
470	00383800	<u>470pF</u>
560	46076600	<u>560pF</u>
680	46076700	<u>680pF</u>
820	46076800	<u>820pF</u>
1000 (+80% -20%)	00381400	<u>0.001μF</u>
2200	00382700	<u>0.0022μF</u>
4700	00383900	<u>0.0047μF</u>
10000	00381500	<u>0.01μF</u>
32000	00382800	<u>0.022μF</u>
47000	00384000	<u>0.047μF</u>

### 2-9. Ceramic Capacitor 50V, Temperature Compensation

- 1) N.P.O. No variation with temperature.
- 2) P.P.M. (Parts Par Million) 1/1,000,000.
- 3) The ordinary ceramic capacitor increase its capacitance with temperature rise, however, capacitor for temperature compensation decrease its capacitance or does not vary with temperature rise.

For example: Capacitance Variation (pF) =  $\frac{-150(t-25^{\circ}\text{C})}{1 \times 10^6} \times C$  (pF) [Orange type]

- 4) Indications of capacitors are same as those of standard capacitors.



Value(pF)	Stock No.	Stock No.	Stock No.	Stock No.	Stock No.	Stock No.	Stock No.
1	00388800						
1.5	00388900						
2	00396300						
3	00396400	00397100	00397800	00398500	00399200	00399900	00400600
4	00396500	00397200	00397900	00398600	00399300	00400000	00400700
5	00396600	00397300	00398000	00398700	00399400	00400100	00400800
6	00386700	00397400	00398100	00398800	00399500	00400200	00400900
7	00396800	00397500	00398200	00398900	00399600	00400300	00401000
8	00396900	00397600	00398300	00399000	00399700	00400400	00401100
9	00397000	00397700	00398400	00399100	00399800	00400500	00401200
10	00389000	00389500	00390400	00391200	00392200	00393100	00394300
11	00389100	00389600	00390500	00391300	00392300	00393200	00394400
12	00386900	00389700	00390600	00391400	00392400	00393300	00394500
13	00389200	00389800	00390700	00391500	00392500	00393400	00394600
15	00387000	00389900	00390800	00391600	00392600	00393500	00394700
16	00389300	00388100	00388400	00391700	00392700	00393600	00394800
18	00387100	00390000	00390900	00391800	00388600	00393800	00394900
20	00389400	00388300	00391000	00391900	00392900	00393900	00395000
22	00387200	00390200	00391100	00392000	00393000	00394000	00395100
27	00387400						00395400
33	00387500						00395300
39	00387600						00395200
47	00387700						
56	00387800						
68	00387900						
82	00388000						
100	00388100						
Tolerance	1~10P±0.02% 11P~(J)	3~10P±0.25% 11P~(J)					



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