

# THIN FILM CHIP RESISTOR KITS

## SURFACE MOUNT CHIP RESISTOR KITS

### WATF-1 KITS & WATF-8 KITS (39 OHMIC VALUES)

2	3	4	5	6	7
8	9	10	12	15	18
20	22	27	33	39	42
50	68	72	83	91	100
120	150	180	200	220	270
330	390	420	500	680	720
830	910	1K			

### WATF-2 KITS & WATF-7 KITS (65 OHMIC VALUES)

2	5	10	12	15	18
20	22	27	33	39	42
50	68	72	83	91	100
120	150	180	200	220	270
330	390	420	500	680	720
830	910	1K	1.2K	1.5K	1.8K
2K	2.2K	2.7K	3.3K	3.9K	4.2K
5K	6.8K	7.2K	8.3K	9.1K	10K
12K	15K	18K	20K	22K	27K
33K	39K	42K	50K	68K	72K
83K	91K	100K	120K	150K	

### WATF-3 KITS & WATF-4 KITS (71 OHMIC VALUES)

SAME VALUES AS WATF-2 KIT WITH THESE ADDITIONAL VALUES

180K	200K	220K	270K	330K	390K
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### WATF-5 KITS & WATF-6 KITS (74 OHMIC VALUES)

SAME VALUES AS WATF-3 KIT WITH THESE ADDITIONAL VALUES

420K	500K	680K
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### WATF-9 KITS (78 OHMIC VALUES)

SAME VALUES AS WATF-5 KIT WITH THESE ADDITIONAL VALUES

720K	830K	910K	1M
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STANDARD TOLERANCE IS 1% FOR ALL KITS.

### PART NUMBERING SYSTEM:

#### KIT PART NUMBER

WATF-X	A	X	KIT	X
SERIES		RESISTIVE		QTY
1, 2		N = Nichrome		A = 10 PCS. EA. VALUE
3, 4		T = Tantalum		B = 25 PCS. EA. VALUE
5, 6		Nitride		C = 50 PCS. EA. VALUE
7, 8				D = 100 PCS. EA. VALUE
9				

EXAMPLE: WATF-4-A-N-KIT-A; CONSISTS OF 10 PCS. EACH VALUE NICHROME RESISTOR FOR WATF-4 STYLE KIT

WEIGHTED KITS AVAILABLE. PLEASE CONSULT SALES.

SPECIAL KITS ARE AVAILABLE; MUST HAVE AT LEAST 25 VALUES;

KITS ARE PACKAGED WITH INDIVIDUAL VALUES IN WAFFLE PACKS.

WATF KITS HAVE SOLDER TERMINATIONS. PLEASE SPECIFY IF PARTS ARE REQUIRED WITHOUT SOLDER.



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THIN FILM DIVISION

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JUMPERS,  
SUBSTRATES  
& KITS

# THIN FILM CHIP RESISTOR KITS

## WIRE BONDABLE CHIP RESISTOR KITS

KITS ARE COMPRISED OF 80 STANDARD RETMA VALUES (IN OHMS)

10	12	15	18	20	22
27	33	39	42	50	68
72	83	91	100	120	150
180	200	220	270	330	390
420	500	680	720	830	910
1.0K	1.2K	1.5K	1.8K	2.0K	2.2K
2.7K	3.3K	3.9K	4.2K	5.0K	6.8K
7.2K	8.3K	9.1K	10 K	12 K	15 K
18 K	20 K	22 K	27 K	33 K	39 K
42 K	50 K	68 K	72 K	83 K	91 K
100K	120K	150K	180K	200K	220K
270K	330K	390K	420K	500K	680K
720K	830K	910K	1.0M	1.2M	1.5M
1.8M*	2.0 M*				

\*NOTE: FOR MSTF-2 KITS, 1.8MΩ, and 2MΩ VALUES ARE NOT AVAILABLE. 5Ω, AND 51Ω VALUES ARE SUBSTITUTED.

STANDARD TOLERANCE IS 1% FOR ALL KITS.

### PART NUMBERING SYSTEM:

KIT PART NUMBER		DESCRIPTION	
MSTF-X	X	X	X
SERIES	SUBSTRATE	RESISTOR	QTY
2	S = Silicon	N = Nichrome	A = 10 PCS. EA. VALUE
3		T = Tantalum Nitride	B = 25 PCS. EA. VALUE
			C = 50 PCS. EA. VALUE
			D = 100 PCS. EA. VALUE

EXAMPLE: MSTF-2-S-N-KIT-A; CONSISTS OF 10 PCS. EACH VALUE NICHROME RESISTOR FOR MSTF-2 STYLE KIT  
SPECIAL KITS ARE AVAILABLE; MUST HAVE AT LEAST 25 VALUES;  
KITS ARE PACKAGED WITH INDIVIDUAL VALUES IN WAFFLE PACKS.

# THIN FILM MOS CAPACITOR KITS

KITS ARE COMPRISED OF THE FOLLOWING (65 VALUES IN pF):

### MSCC-2:

4.7	5.6	6.8	8.2	10	11
12	13	15	16	18	20
22	24	27	30	33	36
39	43	47	51		

### MSCC-3:

33	36	39	43	51	56
62	68	75	82	91	100

### MSCC-4:

56	62	68	75	82	91
100	110	120	130	150	160
180	200	220			

### MSCC-5:

240	270	300	330	360	390
430	470	510	560	620	680
750	820	910	1000		

STANDARD TOLERANCE IS 10% FOR ALL KITS.

BOND PADS ARE GOLD

### PART NUMBERING SYSTEM:

KIT PART NUMBER		DESCRIPTION	
MSCC99 SA	KIT	X	
			A = 10 PCS. EA. VALUE
			B = 25 PCS. EA. VALUE
			C = 50 PCS. EA. VALUE
			D = 100 PCS. EA. VALUE

KITS ARE PACKAGED WITH INDIVIDUAL VALUES IN WAFFLE PACKS.



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