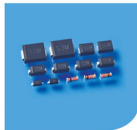
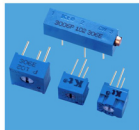


ISO 9001:2008
Manufacturer Since 1990

Kingtronics®
International Company



Kingtronics® Kt®

Bridge Rectifiers

Diodes & Rectifiers

Trimmer Potentiometers

Dipped Tantalum Capacitors

Multilayer Ceramic Capacitors

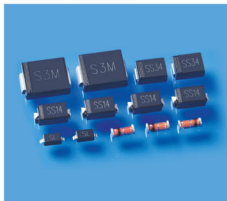
Inspired by innovation

Kt® Diode & Rectifiers



<i>Type Number</i>	M7	SM4007	LL4148	1N4148WS
<i>Package</i>	SMA	Melf	LL-34	SOD-323
<i>Type Number</i>	GS1M	US1M	S1M	S3M
<i>Package</i>	SMA	SMA	SMA	SMA
<i>Type Number</i>	FR207	FR107	1A7	6A10
<i>Package</i>	DO-15	DO-41	R-1	R-6
<i>Type Number</i>	1N4937	1N5399	1N4007	UF4007
<i>Package</i>	DO-41	DO-15	DO-41	DO-41

Zener Diodes



<i>Type Number</i>	BZX55C	BZV55C	BZX84C	BZX85C
<i>Package</i>	DO-35	Mini Melf	SOT-23	DO-41
<i>Zener Voltage</i>	2V~75V	2V4~75V	2V~75V	2V7~75V
<i>Peak Pulse Power</i>	1/2W	1/2W	0.35W	1.3W
<i>Type Number</i>	BZX79C	1N4727A - 1N4761A	ZM4728-ZM4761	ZMM2V0-ZMM75
<i>Package</i>	DO-35	DO-41	LL-41	LL-34
<i>Zener Voltage</i>	2V4~75V	3V~75V	3.3V~75V	2.0V~75V
<i>Peak Pulse Power</i>	1/2W	1W	1W	1/2W

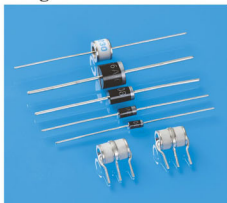
Kt® Bridge Rectifiers



UL Number : E347214

<i>Type Number</i>	DB107	DB107S	MB10S	KBP210
<i>Package</i>	DB	DBS	MBS	KBP
<i>Type Number</i>	KBL410	KBU610	GBU410	GBJ610
<i>Package</i>	KBL	KBU	GBU	GBJ
<i>Type Number</i>	KBU810	BR1510	BR5010W	KBPC1510
<i>Package</i>	KBU	BR	BRW	KBPC
<i>Type Number</i>	KBPC2510	KBPC3510	SKBPC2510	GBPC3510
<i>Package</i>	KBPC	KBPC	SKBPC	GBPC

Surge Arresters



2-Electrode Ceramic Surge Arrester		3-Electrode Ceramic Surge Arrester	
SKT-2R-75A2	SKT-2R-90A2	SKT-3R-75AL1	SKT-3R-90AL1
SKT-2R-150A2	SKT-2R-230A2	SKT-3R-150AL1	SKT-3R-230AL1
SKT-2R-75A5L	SKT-2R-90A5L	SKT-3R-75AL4	SKT-3R-90AL4
SKT-2R-150A5L	SKT-2R-230A5L	SKT-3R-150AL4	SKT-3R-230AL4
SKT-2R-350A5L	SKT-2R-470A5L	SKT-3R-350AL4	SKT-3R-470AL4
SKT-2R-75A6L	SKT-2R-90A6L	SKT-3R-75AF4	SKT-3R-90AF4
SKT-2R-150A6L	SKT-2R-230A6L	SKT-3R-150AF4	SKT-3R-230AF4

Note : For other part numbers, please visit our website or enquire to our sales.

Kt® Trimming Potentiometer


Standard Resistance Range	100-5MΩ
Resistance Tolerance	±10% ; ±20% for 10 ohm
Absolute Minimum Resistance	≤10Ω (100Ω ≤R≤1KΩ) ≤1%R (R>1KΩ)
Contact Resistance Variation	CRV≤4% or 5Ω (whichever is larger)
Insulation Resistance	R1≥1GΩ (100VAC)
Withstand Voltage	220VDC
Effective Travel	22±5 turns nom



Standard Resistance Range	100-5MΩ
Resistance Tolerance	±10% ; ±20% for 10 ohm
Absolute Minimum Resistance	≤10Ω (100Ω ≤R≤1KΩ) ≤1%R (R>1KΩ)
Contact Resistance Variation	CRV≤3% or 5Ω (whichever is larger)
Insulation Resistance	R1≥1GΩ (100VAC)
Withstand Voltage	220VDC
Effective Travel	300° ± 10°



Standard Resistance Range	1KΩ-100KΩ
Resistance Tolerance	±5%
Independent Linearity	±0.5%
Effective Electrical Travel	≥3600°±10°
Noise	100Ω ENR max
Insulation Resistance	R≥1GΩ
Withstand Voltage	710VDC (101.3kPa) 470VDC (8.5kPa)



Standard Resistance Range	100Ω-100KΩ
Total Resistance Tolerance	±5%
Independent Linearity	±0.25%
Effective Electrical Angle	3600° ± 10°
Noise/Output Smoothness	100Ω ENR max
Insulation Resistance (500 VDC)	R≥1GΩ
Withstanding Voltage	710VDC (101.3kPa)



Standard Resistance Range	100-5MΩ
Resistance Tolerance	±10% ; ±20% for 10 ohm
Absolute Minimum Resistance	≤10Ω (100Ω ≤R≤1KΩ) ≤1%R (R>1KΩ)
Contact Resistance Variation	CRV≤3% or 5Ω (whichever is larger)
Insulation Resistance	R1≥1GΩ (100VAC)
Withstand Voltage	220VDC
Effective Travel	12±2 turns nom



Standard Resistance Range	100-5MΩ
Resistance Tolerance	±10% ; ±20% for 10 ohm
Absolute Minimum Resistance	≤10Ω (100Ω ≤R≤1KΩ) ≤1%R (R>1KΩ)
Contact Resistance Variation	CRV≤3% or 5Ω (whichever is larger)
Insulation Resistance	R1≥1GΩ (100VAC)
Withstand Voltage	220VDC
Effective Travel	28±2 turns nom



Standard Resistance Range	100-5MΩ
Resistance Tolerance	±10% ; ±20% for 10 ohm
Absolute Minimum Resistance	≤10Ω (100Ω ≤R≤1KΩ) ≤1%R (R>1KΩ)
Contact Resistance Variation	CRV≤3% or 5Ω (whichever is larger)
Insulation Resistance	R1≥1GΩ (500VAC)
Withstand Voltage	220VDC
Effective Travel	260° ± 10°



Standard Resistance Range	100-5MΩ
Resistance Tolerance	±10% ; ±20% for 10 ohm
Absolute Minimum Resistance	≤10Ω (100Ω ≤R≤1KΩ) ≤1%R (R>1KΩ)
Contact Resistance Variation	CRV≤3% or 5Ω (whichever is larger)
Insulation Resistance	R1≥1GΩ (500VAC)
Withstand Voltage	220VDC
Effective Travel	270° ± 10°



Standard Resistance Range	10Ω - 2MΩ
Resistance Tolerance	±30% std
Absolute Minimum Resistance	1% max (≤2K-30Ω)
Contact Resistance Variation	3% max
Resistance	Essentially infinite
Adjustment Angle	235° ± 10°



Standard Resistance Range	50Ω - 2MΩ
Resistance Tolerance	±10% ; ±20% for 10 ohm
Absolute Minimum Resistance	≤10Ω (100Ω ≤R≤1KΩ) ≤1%R (R>1KΩ)
Contact Resistance Variation	CRV≤3% or 5Ω (whichever is larger)
Insulation Resistance	R1≥1GΩ (100VAC)
Withstand Voltage	100VDC
Effective Travel	280° ± 10°



Standard Resistance Range	100Ω to 1MΩ
Resistance Tolerance	±25%
Max. Working Voltage	50V or $V = \sqrt{PR}$ (Whichever is smaller)
Rated Wattage	0.15Watt
Temperature Range	-40°C to +100°C



Standard Resistance Range	100Ω - 2MΩ
Resistance Tolerance	±30%
Residual Resistance	Max 5% of Nominal Resistance, But under 30Ω
Rated Power	0.1W
Temperature Range	-25°C - 40°C

MKT - Radial Multilayer Ceramic Capacitors



Size Code	Shape	Dimensions (mm)					Voltage	Capacitance (pF)		
		F(±0.5)	H(±1)	L max	W max	T max		COG (NPO)	X7R	Y5V (Z5U)
0805	a	2.54	5.0				25V	0R5-332	331-104	103-105
	b	5.08	10.0	4.2	3.8	3.8	50V	0R5-222	331-104	
	C2	5.08	5.0				100V	0R5-102	331-104	103-684
	C3	5.08	5.0/10.0							
1206	a	2.54					25V	0R5-682	102-224	103-125
	b	3.50	10.0	5.0	4.5	3.8	50V	0R5-472	102-104	103-105
1210	a	3.50					25V	0R5-103	102-334	
	C1	5.08	10.0	7.6	5.5	3.8	50V	0R5-472	102-224	104-155
							100V	0R5-392	102-105	

AKT - Axial MLCC Ceramic Capacitors

Size Code	Dimensions(mm)					Voltage	Capacitance Ranges		
	L max	D max	F(±0.6)	D(±0.05)	COG (NPO)		X7R	Y5V(Z5U)	
15	3.8	2.5	5.08	10.0	0.45	25V	0R5-102	101-333	222-224
			5.08	10.0	0.45	50V	0R5-821	101-223	222-154
			5.08	10.0	0.45	100V	0R5-561	101-472	
17	4.3	2.5	5.08	10.0	0.45	25V	0R5-332	331-104	103-105
			5.08	10.0	0.45	50V	0R5-222	331-473	103-684
			5.08	10.0	0.45	100V	0R5-102	331-223	
20	5.1	3.0	5.08	10.0	0.45	25V	0R5-472	102-224	103-125
			5.08	10.0	0.45	50V	0R5-392	102-104	103-105
			5.08	10.0	0.45	100V	0R5-152	102-683	

LKT - Low Voltage Multilayer Chip Ceramic Capacitor - SMD

HKT - High Voltage Multilayer Ceramic Capacitor -SMD

	LKT	HKT
Voltage	16, 25, 50, 63 VDC	100, 200, 500, 1000, 2000, 3000, 4000 VDC
Capacitance	0.5pF - 10nF	1pF - 2.2uF
Terminations	Tin / Nickel	Tin / Nickel
Tolerance	±0.1pF, +80 - 20%	±0.25pF, +80 - 20%
Packing	Tape & Reel (0402, 0603, 0805, 1206, 1210, 1812, 2220)	Tape & Reel (0603, 0805, 1206, 1210, 1808, 1812, 2220, 2225)
Dielectric & Values	NPO X7R Y5V Z5U consult product pages of catalog for cap ranges and voltage rating	NPO X7R consult product pages of catalog for cap ranges and voltage rating



CKT - Chip Tantalum Capacitor - SMD



SPECIFICATIONS	Operating Temperature	
	Operating Temperature	-55°C to +125°C ; (>85°C applying derated voltage)
Rated Voltage	4, 6.3, 10, 16, 20, 25, 35 & 50 VDC	
Capacitance Tolerance	K: (±10%) ; M: (±20%) ; J: (±5% for special order)	
Leakage Current	Io ≤ 0.01 C _v V _r OR 0.5 uA (20°C) (whichever is greater) Measured after 5 minutes application of rated voltage C _v - (uF) Nominal Capacitance ; V _r - (V) Rated Voltage	
Load Life	85°C, After applying rated voltage for 2000 hours at 85°C ; Capacitance change : within +/-10% of the initial value ; Dissipation factor : Not more than 150% of the specified value ; Leakage current : Not more than the specified value	

TKT - Tantalum Capacitor -Dipped

Specifications	
Operating Temperature	: -55°C to +125°C ; >85°C with rated voltage derating
Rated Voltage	: 4, 6.3, 10, 16, 20, 25, 35 & 50 VDC
DC Leakage At 25°C	: Io ≤ 0.02 C _v V _r or 1uA (Whichever is greater)
Dissipation Factor at 25°C	: Please See Table A
Capacitance Range	: 0.047uF - 680 uF
Capacitance Tolerance	: ±20% ; ±10% ; ±5% (for special order)
Temperature Characteristics	: See Table A

Table A

Capacitance (uF)	Cap.Change(%)			DF Max.(%)				DCL Max.(uF)		
	-55°C	+85°C	+125°C	-55°C	+25°C	+85°C	+125°C	+25°C	+85°C	+125°C
<1.0				6	4	6	6	Io ≤ 0.02 C _v V _r or 1uF whichever is greater	+1010	+12.510
1.5 - 6.8				8	6	8	8			
10 - 68	±10	±15	±25	10	8	10	10			
100 - 680				12	10	12	12			