

FIG.	TYPE	CAPACITY	PEAK VOLTAGE	RMS AMPERES ^①	NOMINAL DIM.
	NICKEL	COPPER	MMFD	KILOVOLTS	NICKEL COPPER LENGTH DIAM.
2 to 5 KV	E	UCSL	4-250	3.5	30 4 1/8 2 1/4
	B	UCSL	5-500	3.5	30 5 2 1/4
	A	UCSL	5-750, 7-1000	3.5	42 7 3/8 3 1/8
	A	UCSL	20-2000	2.3	42 8 1/4 3 1/8
7.5 to 15 KV	E	GCS	5-100	7.5, 10, 15	35 4 3/4 2 1/8
	I	UCSV	8-110, 125-250	7.5, 10, 15	35 5 1/4 2 1/8
	K	ATCS	10-150, 15-190	7.5, 10, 15	20 7 3 1/8
	L	UCS	5-200, 10-300	7.5, 10, 15	42 8 3/4 2 5/8
	L	UCS	10-400, 25-500	7.5, 10, 15	42 9 3 1/8
	A	UCSF	5-250, 12-500	7.5, 10, 15	60 7 3/4 3 5/8
	H	UCSX	25-700, 25-1000	7.5, 10, 12	60 9 7/8 3 3/4
	M	UCSXF	12-1000, 15-1200	7.5, 10, 12	70 10 4 3/8
10 to 20 KV	M	UCSXF	20-1500, 50-2000	7.5, 10, 12	70 10 5 1/8
	C	ECS	2-8, 3-30	10, 15	20 2 1/8 1 3/8
	K T	TC	5-25	20	10.5 20 6 5/8 2 1/4
	K A T	ATC	10-50, 15-75	20, 30	10.5 20 6 7/8 3 1/8
	F U	UC	50-250	10, 15, 20	21 60 11 1/2 5
	D U X	UXC	25-500	10, 15, 20	21 60 14 5
	M	UXCF	10-250, 20-500	10, 15, 20	100 9 7/8 4 3/8
	J V M M	VMMC	50-1000, 100-2000	10, 15	35 125 15 7/8 6 1/8
35 to 60 KV	G	VMMC	100-5000	7.5, 10, 15	125 19 9 1/4
	I	UCSVH	8-35	25, 35	60 4 3/4 3
	F U H	UHC	10-75, 75-150	35, 45, 55, 60	21 60 12 5
	D U X H	UXHC	25-150	35, 45, 55	21 60 15 5/8 5
	H	UCSXH	10-200	35, 45	60 10 4 1/2
	M	UCSXHF	25-450	35, 40	60 10 1/2 5 1/8
	J V M M H	VMMHC	10-250, 25-450	35, 45, 55	21 125 16 8 1/8
	G	VMMHC	60-1000	35, 40, 45	125 19 9 1/4

① Current ratings can usually be doubled with forced air cooling. Water cooled units are also available.
② Nominal Dimensions are for the largest unit of each type.
NOTE: A series of adjustable capacitors are available to cover the range of 8 to 1000 mmfd. at 10 KV.

FIG.	TYPE	CAPACITY	PEAK VOLTAGE	RMS AMPERES ^①	NOMINAL DIM.
	NICKEL	COPPER	MMFD	KILOVOLTS	NICKEL COPPER LENGTH DIAM.
2 to 5 KV	L	JCSL	100, 250	3.5	20 2 5/8 1 7/8
	B	JCSL	500, 750, 1000, 1500	3.5	42 3 7/8 2 7/8
	B	JCSL	2000	2.3	42 4 2 7/8
	M	JCSF	25, 40, 80, 120, 150	7.5, 10, 15	30 1 5/8 1 5/8
7.5 to 15 KV	L	JCS-2	10, 20, 25, 50, 75, 100, 150	7.5, 10, 15	20 3 1/8 1 7/8
	B	JCS-1	25, 50, 75, 100, 150	7.5, 10, 15	42 3 3/4 2 1/8
	B	JCS	250, 400, 500	7.5, 10, 15	42 4 3 1/8
	A	JCS	900, 1000	7.5, 10, 12	42 4 5/8 3 3/8
	D	MC-1	500, 750, 1000	10, 15	75 4 1/4 4 1/4
	C M	MC	500, 750, 1000	10, 15, 20	21 120 8 3/8 5
	J M M	MMC	1500, 2000	10, 15	35 125 9 1/4 6 1/8
	F	MMC-1	2000	10, 15	125 5 6 1/8
17 to 30 KV	E	MMC	5000	10, 15	125 13 9 1/4
	K Y		1, 2, 3, 4, 5	17	7 3 1/4 3 3/4
	K X		5, 10, 15, 20, 25	17	7 3 1/4 1 1/8
	N W		6, 12, 25, 50, 100	20	10.5 4 5/8 2 1/4
	I V C	VCC	6, 12, 25, 50, 75, 100, 150	20, 30	14 80 6 1/2 2 5/8
	I V C	VCC	200, 250	20, 30	14 80 6 1/2 2 3/4
	H	JC-2	25, 50, 75, 100	20, 30	42 4 3 1/4
	C M L	MLC	500, 750, 1000	25, 30	21 125 9 1/4 5
35 to 60 KV	X	JCSH	75	35, 45, 50, 60	42 4 2 7/8
	G	JC-3	20, 40, 50, 60	35, 45, 55, 60	140 8 1/4 3 1/2
	G	JC-4	75, 100, 125	35, 45, 55, 60	175 9 1/4 5
	G	JC-5	200	35, 45, 55, 60	225 11 1/4 7
	J M M H	MMHC	450	35, 45, 55	21 125 9 1/4 6 1/8
	E	MMHC	1000	35, 40, 45	125 13 9 1/4

① Current ratings can usually be doubled with forced air cooling. Water cooled units are also available.
② Nominal Dimensions are for the largest unit of each type.
NOTE: Intermediate capacities, feed-thru capacitors, and glass insulators are available.



TYPE MC 1-1000



TYPE UCSL
7-1000 mmfd.

**VACUUM
VARIABLE CAPACITORS**

TYPE UCSL 7-1000 mmfd.

The Vacuum Variable Capacitors combine extreme high ratio of capacitance change with small physical size.

**VACUUM
FIXED CAPACITORS**

TYPE MC 1-1000 mmfd.

The all copper construction of Vacuum Fixed Capacitors give high current ratings, long life and stability of operation.

VACUUM SWITCHES AND RELAYS

JENNINGS TYPE	FREQUENCY RATING	TEST VOLTAGE (50 CY. DRY) PEAK KV	CONTINUOUS CURRENT RMS AMPS	MAX. OPER. CURRENT RMS AMPERES	CONTACT ARRANGEMENTS AND RELAY MOUNTINGS
				DC AC	
RSC	DC & AC	20	50	0.5 to 10	These switches are interchangeable on the relay mounts listed at the right. Insulation and solenoids available are described in the table below.
R1	RF (10 mc)	40, 50	25	1 to 50	
R1G	DC & AC	40, 50	50, 100	1 to 50	
R2	RF (10 mc)	50, 60	25	1 to 50	
R2G	DC & AC	50, 60	50, 100	1 to 50	Normally Open Normally Closed Single Pole Double Throw Grounding Relay Current Overload SPDT Current Overload with Grounding Switch
R8	RF (300 kc)	40, 70, 85	100	5 to 100	
R8G	DC & AC	40, 70, 85	100, 250	5 to 100	
RH1G	DC & AC	40, 50	100, 400	20 to 200	
RH6G	DC	85, 100	50, 200	5 to 100	Normally Open or Normally Closed
RH7G	DC & AC	85, 100	400	20 to 200	

INSULATION BETWEEN SWITCH AND SOLENOID

MATERIAL	DIELECTRIC STRENGTH	SOLENOID VOLTAGES
Canvas-Phenolic Laminate—NEMA Grade CE	2 in. Insulation— 40 KV	115V AC
Melamine Glass Laminate—NEMA Grade G5	4 in. Insulation— 60 KV	230V AC
Silicone Glass Laminate—NEMA Grade G7	6 in. Insulation— 80 KV	6V DC
Nonex Glass (available only with 8 in. insulation)	8 in. Insulation—100 KV	24V DC
	10 in. Insulation—120 KV	110V DC



TYPE R5



TYPE R8G

VACUUM SWITCH TYPE R5

Mounted as SPDT with 24 V. DC actuating coil and Phenolic Laminate.

VACUUM SWITCH TYPE R8G

Mounted as SPDT with 115 V. AC actuating coil and Silicone Glass insulation.

VACUUM TRANSFER RELAYS

- ANTENNA TRANSFER SWITCHING
- PULSE FORMING NETWORKS
- DC TRANSFER SWITCHING



RD1
SPST Relay



RE2
SPDT Relay

JENNINGS TYPE	CONTACT ARRANGE- MENT	RATED OPERATING VOLTAGE PEAK KV	TEST VOLTAGE BET. LEADS PEAK KV	TEST VOLTAGE LEADS TO GROUND PEAK KV	CONTINUOUS RMS CURRENT AMPS. (TENT.)	DC ACTUATING COIL (IN BASE OF UNIT)	OVER-ALL LENGTH INCHES
						VOLTS	WATTS
RD1	NO	10	15	12	10	6, 12, 24	5
RE2	SPDT	10	15	15	10	6, 12, 24	5
RE3	SPDT—NO*	2.5	3	3	10	6, 12, 24	5
RM2	2PDT	12	18	18	10	24	10
RM4	4PDT	12	18	18	10	24	10

*This is a transmit-receive relay in which one set of contacts is grounded internally in the deenergized position.