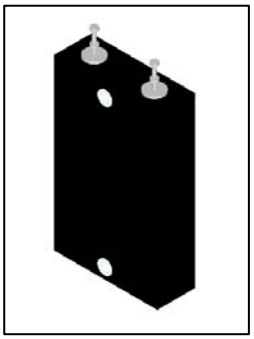
TECHNICAL DATA
DATA SHEET 4002, REV. A

60KW / 90KW Bi-directional Series

Application:
- **Aircraft AC Power Bus**
- **AC Power Protection**
- **Shipboard (Line-Line)**
- **Differential AC power Bus**

Protection Level:
+200VDC operating; Tailored for 115VAC
Exceed MIL-STD704A and DOD-STD-1399 requirements
UL-94V0 Flammability Classification



60KW:

Rating	Condition	Minimum	Maximum	Units
Peak Pulse Power Dissipation	@ 25^0C, 1ms	-	60,000	Watts
Steady State Power Dissipation	@ 25^0C	-	10	Watts
$T_{clamping}$	0 Volts to $V_{(BR)}$	-	$< 1x10^{-8}$	Seconds
Operating & Storage Temp.	-	-55	+ 150	^{0}C
Capacitance	@ 0V DC	-	170	pF

Part Number	Reverse Stand-Off Voltage V_{WM} (Volts)	Maximum Reverse Leakage @ V_{wm} I_D (μA)	Minimum Breakdown Voltage @ 1 mA $V_{(BR)}$ (Volts)	Maximum Clamping Voltage @ I_{PP} V_c (Volts)	Maximum Peak Pulse Current I_{PP} (Amps)
60KS200C	180	10	200 ~ 225	335	180

90KW:

Rating	Condition	Minimum	Maximum	Units
Peak Pulse Power Dissipation	@ 25^0C, 1ms	-	90,000	Watts
Steady State Power Dissipation	@ 25^0C	-	10	Watts
$T_{clamping}$	0 Volts to $V_{(BR)}$	-	$< 1x10^{-8}$	Seconds
Operating & Storage Temp.	-	-65	+ 150	^{0}C
Capacitance	@ 0V DC	-	170	pF

Part Number	Reverse Stand-Off Voltage V_{WM} (Volts)	Maximum Reverse Leakage @ V_{wm} I_D (μA)	Minimum Breakdown Voltage @ 1 mA $V_{(BR)}$ (Volts)	Maximum Clamping Voltage @ I_{PP} V_c (Volts)	Maximum Peak Pulse Current I_{PP} (Amps)
90KS200C	180	0.5	200 ~ 225	280	180
90KS200	180	10	200 ~ 225	335	270

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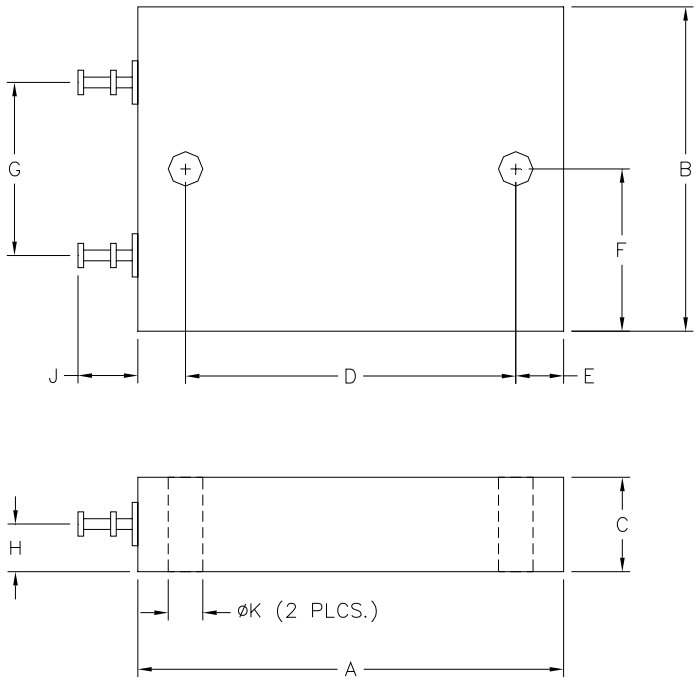
BOTTOM VIEW



90KS200C DIMENSIONS					
DIM.	INCHES		MM		NOTE
	MIN.	MAX.	MIN.	MAX.	
A	2.220	2.500	56.3	63.50	
B	1.350	1.900	34.20	48.30	
C	0.470	0.550	11.90	13.90	
D	1.880	1.920	47.80	48.80	
E	0.135	0.300	3.40	7.60	
F	0.660	0.950	16.70	24.10	
G	0.980	1.020	24.90	25.90	
H	0.260	0.290	6.50	7.50	
J	0.325	0.365	8.20	9.30	
K	0.193	0.205	5.35	5.65	DIA.

60KS200C DIMENSIONS					
DIM.	INCHES		MM		NOTE
	MIN.	MAX.	MIN.	MAX.	
A	2.220	2.280	56.30	58.00	
B	1.350	1.400	34.20	35.60	
C	0.470	0.530	11.90	13.50	
D	1.930	1.970	49.00	50.10	
E	0.135	0.165	3.40	4.20	
F	0.660	0.720	16.70	18.30	
G	0.770	0.830	19.50	21.10	
H	0.220	0.280	5.50	7.20	
J	0.325	0.365	8.20	9.30	
K	0.120	0.130	3.00	3.30	DIA.

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