



OVERALL DIMENSIONS SHOWN  
INCH (UPPER)/mm (LOWER)

REQ	ITEM	PART NUMBER	DESCRIPTION
1	1	21C8454	OUTLET ELECTRODE IRON PLATE
1	2	21C8473	APERTURE PLATE (304 STAINLESS STEEL)
1	3	21C8414	COPPER/ IRON PLATE BRAZEMENT BLANKS
1	4	21C8924	ELECTRON DUMP PLATE (GLIDCOP MATERIAL)
A/R	5	21C8924-1	1/8 SS TUBE ELECTRON DUMP COOLING
A/R	6	21C8414	1/8 SS TUBE OUTLET ELECTRODE COOLING
1	7	21C8434	CESIUM COLLAR ASSEMBLY
1	8	21C8444	FILTER MAGNET ASSEMBLY
1	9	21C9963	SmCo MAGNET ASSEMBLY
4	10	21C9302-2	INSULATING INSERT (SHORT)
4	11	21C9302-3	INSULATING SPACER
4	12	21C9302-1	INSULATING INSERT (LONG)
1	13	21G7593	STAINLESS STEEL SHIELD
4	14		CAPSCR SOC HD VENTED SST. #4-40UNCx3/8"
4	15		CAPSCR SOC HD VENTED SST. #5-40UNCx1/8"
3	16		CAPSCR SOC HD VENTED SST. #5-40UNCx1/4"
1	17	21G7631	MODIFIED #4-40 SCREW, 5/8" LONG
1	18	21G7621	SPARK GAP

UNLESS OTHERWISE SPECIFIED		SHOP ORDERS	
XX ± .01	ANGLES ± 1°	DATE RECD.	SERIAL NO.
XXX ± .001	FINISH 125.7	DELIVER TO	
THREADS ARE CLASS 2		SURFACE FINISH	
CHAMFER ENDS OF ALL SCREW THREADS 30°		IDENT.	
FOR MACHINE TOOLS		TAG	
BREAK EDGES .016 MAX. ON MACHINED WORK		DATE 07-29-99	
REMOVE BURRS WELD SPATTER & LOOSE SCALE		BY DWG. S. MUKHERJEE	
REFERENCES: ANSI Y14.5 & B46.1		CHK. M. LEITNER	
		P00-00-00	
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LAWRENCE BERKELEY LABORATORY	
UNIVERSITY OF CALIFORNIA-BERKELEY	
SNS - FRONT END SYSTEM	
ION SOURCE PROTOTYPE DESIGN	
OUTLET ELECTRODE ASSEMBLY	
PATENT CLEAR DWG. TYPE SURVIVAL ON SCALE FULL	
ASSEMBLY 21C8406 DWG. NO. 21C8934	
DESIGN ACCT. NO. CATEGORY CODE 8210-14 FE1100	
REV. 21C8934 A	