

The Penta Laboratories PSK-300A air system socket is recommended for use at frequencies up to 30 Mhz with the following tube types:

TUBE TYPES

- 4CX5000A/8170
- 4CX5000R/8170W
- 4CX10,000J
- 4CX15,000A/8281
- 4CX15,000R
- 4CW10,000B
- 4CW25,000B

TUBE TYPES

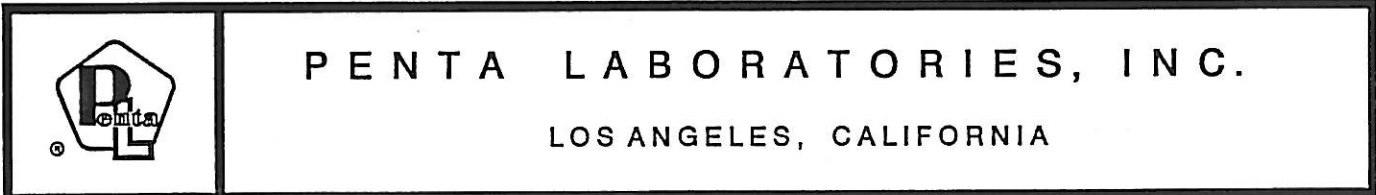
- 4CX5000J/8909
- 4CX10,000D/8171
- 4CX12,000A/8989
- 4CX15,000J/891
- 4CW10,000A/8661
- 4CW25,000A
- 4CPW10,000/9016

BASE CONNECTION: The PSK-300A air socket consists of four concentric rings of spring-finger contacts. This socket is provided with two filament connectors, each having a 1/4" diameter hole for connecting to the inner and outer filament contacts. We have provided a 6-32 stud terminal for the dc connection to the screen grid. For the rf connection to the screen grid you will find four 6-32 taped holes these holes will enable you to connect directly to the contact collet. We have included four additional 6-32 taped holes for making a connection to the control grid.

MAXIMUM WORKING VOLTAGE.:

Screen Grid 3000 Vdc
 Control Grid..... 3000 Vdc

© 1985 , 1986, 1988 The Penta Laboratories (Revised 05/03/90)





PSK-300A

AIR-SYSTEM SOCKET

CAPACITANCE

Grid to ground (approximate), with screen grid at rf ground potential.30 pF

NET WEIGHT

PSK-300A Air-system Socket (approximate) 3.3 lbs / 1.5 kg

MATERIALS AND FINISHES

PSK-300A socket body Silver Plated Brass
PSK-300A contact finger stock . . . Non-ferrous Beryllium Copper / Heat Treated for spring tension and Silver plated for conductivity

INSTALLATION

The PSK-300A Air-system socket can be mounted on a chassis deck , partition or in a pressurized compartment.

CHASSIS AND PARTITION MOUNTING: The PSK-300A requires a 7-3/16" (18.25 cm) diameter hole be cut out in the chassis or partition. The PSK-300A is then placed in the cut out hole and fastend in place by using the 8 holes provided on the mounting flange. We recommend that you secure the PSK-300A by using 6-32 machine screws.

INTER-CHANGABILITY

The PSK-300A is a direct replacement for the Eimac SK-300A any and all accessories can be used such as the Eimac chimneys.

ADDITIONAL SOCKETS

The following sockets are available please order under the following PENTA part numbers:

PENTA PART NUMBER

EIMAC PART NUMBER

PSK300A (Designate Eimac "Y" number when ordering) . .	.Y597, Y632B, Y632C, Y693, Y781, Y356B
PSK310A	SK310
PSK320A	SK320
PSK340A	SK340
PSK350A	SK350
PSK360A	SK360
PSK370A	SK370
PSK371A	SK371
PSK375A	SK375



PSK-300A

AIR-SYSTEM SOCKET

DIMENSIONAL DATA						
DIM	INCHES			MILLIMETERS		
	MIN	MAX	REF	MIN	MAX	REF
A	2.001	2.061		50.82	52.35	
B	3.251	3.311		82.57	84.10	
C	3.672	3.732		93.27	94.79	
D	3.880	3.940		98.55	100.08	
J	0.200	0.280		5.08	7.11	
K	0.600	0.695		15.24	17.65	
L	0.818	0.907		20.78	23.04	
M	1.559	1.699		39.60	43.15	
N	3.513	3.663		89.23	93.04	
P	1.444	1.530		36.68	38.86	
R	0.887	0.963		22.53	24.46	
S	6.720	6.785		170.69	172.34	
U	8.220	8.266		208.79	209.96	
V	6-32 NC-2A STUD					
W	0.235	0.265		5.97	6.73	
X	3.000	3.030		76.20	76.96	
Y			1.575			40.00
Z	7.730	7.770		196.34	197.36	
AA	45° TYPICAL					
BB			0.950			24.13
CC	0.140	0.154		3.56	3.91	

NOTES:

- REF DIMENSIONS ARE FOR INFO ONLY & ARE NOT REQUIRED FOR INSPECTION PURPOSES.
- TOLERANCES ARE NOT CUMULATIVE.
- 1" CONTACT SURFACES.

REPLACEMENT PARTS FOR MAINTENANCE

NO.	DESCRIPTION	QTY
1	COLLET SPRING	1
2	SCREEN GRID COLLET ASSY.	1
3	CONTROL GRID COLLET ASSY.	1
4	SLEEVE INSULATOR	4
5	POST INSULATOR	4
6	OUTER FILAMENT COLLET ASSY.	1
7	INNER FILAMENT COLLET ASSY.	1
8	FILAMENT COLLET INSULATOR	2
9	BUSHING	1
10	SCREEN CONTACT COMB	1

CROSS-SECTION SHOWING 4CX5000A

