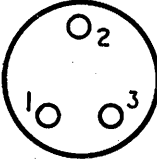
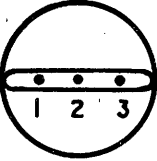
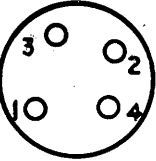
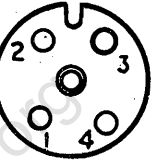
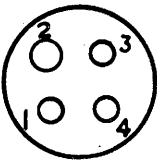
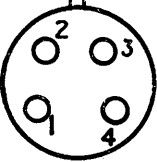
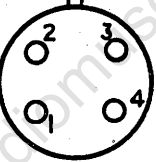
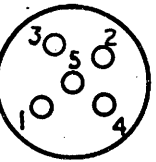
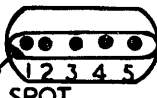

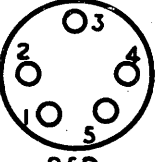
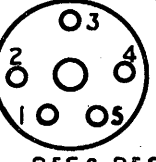

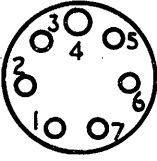
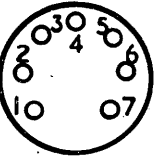
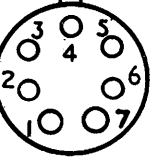
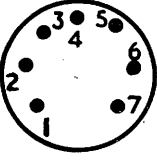

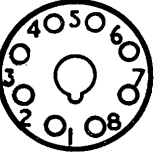
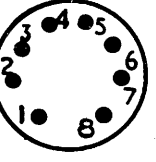


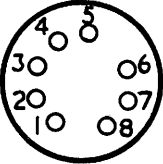
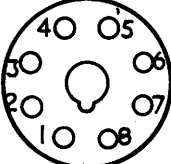
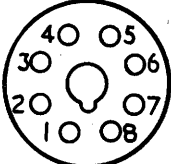
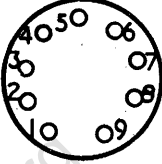
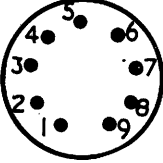
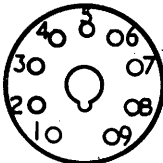


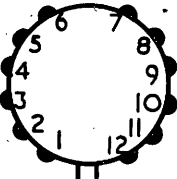

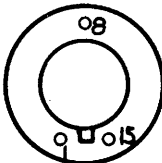
DRAWING No. 1-1

VALVE BASE PIN NUMBERING.

 <p>B3A AMERICAN A3-1</p>	 <p>B3G</p>	 <p>B4</p>	 <p>B4A</p>
 <p>B4B</p>	 <p>B4D AMERICAN A4-18</p>	 <p>B4F & T4 AMERICAN A4-28</p>	 <p>B5</p>
 <p>RED SPOT</p> <p>B5A</p>	 <p>B5B</p>	 <p>B5D AMERICAN A5-19</p>	 <p>B5E & B5F</p>
 <p>B7</p>	 <p>B7A</p>	 <p>B7B</p>	 <p>B7D</p>
 <p>B7G</p>	 <p>B8A</p>	 <p>B8B</p>	 <p>B8D</p>

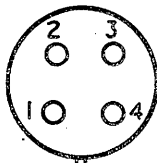
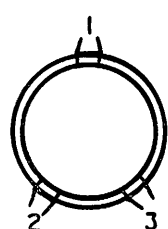
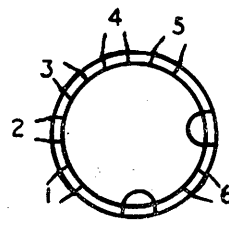
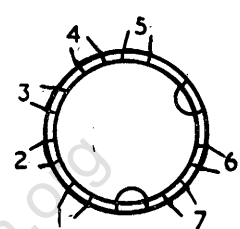
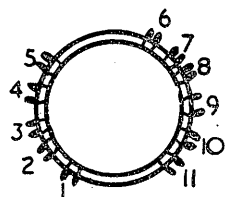
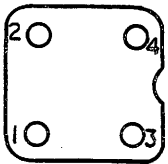
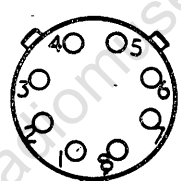
DRAWING No1.2

VALVE BASE PIN NUMBERING

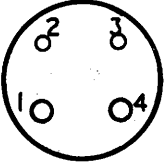
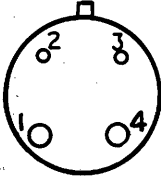
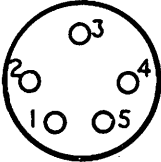
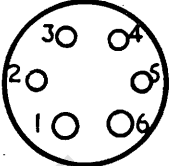
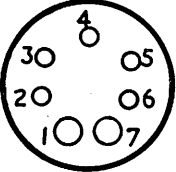
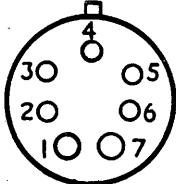
 <p>B8E</p>	 <p>B8G</p>	 <p>B8-O & B8-MO</p>	 <p>B9</p>
 <p>B9A</p>	 <p>B9C</p>	 <p>B11A & MAGNAL</p>	 <p>B12A & B12B</p>
 <p>B12D</p>	 <p>B14A</p>	 <p>B15A3</p>	

DRAWING No 1.3

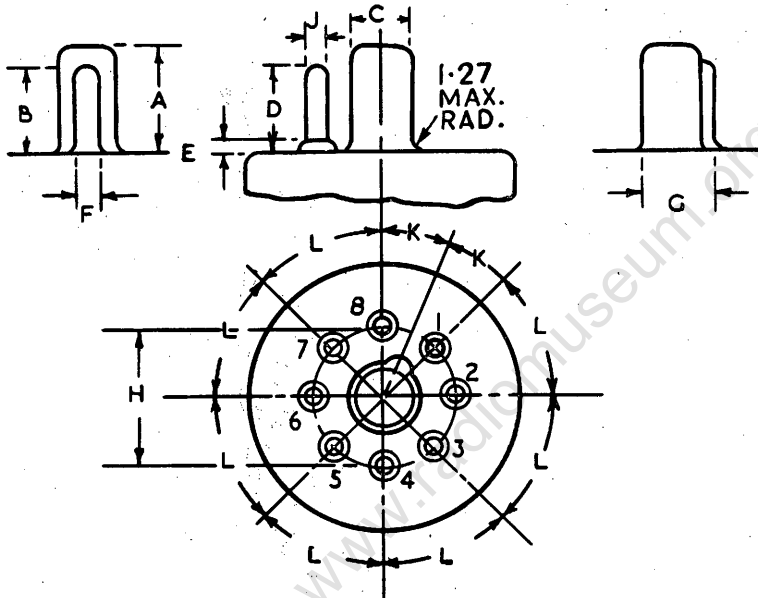
VALVE BASE PIN NUMBERING

 <p>BC 4</p>	 <p>CL 3</p>	 <p>CL 6</p>	 <p>CL 7</p>
 <p>CL 11</p>	 <p>L 4</p>	 <p>PB 8</p>	

VALVE BASE PIN NUMBERING

 <p>AMERICAN { A4-5 A4-9</p>	 <p>AMERICAN A4-10</p>	 <p>AMERICAN { A5-6 A5-11</p>	 <p>AMERICAN { A6-7 A6-12</p>
 <p>AMERICAN { A7-8 A7-13</p>	 <p>AMERICAN A7-14</p>		

DRAWING No 2

THE OCTAL BASE B8-O
ILLUSTRATIVE

DRAWING SHOWS THE NUMBERING
OF THE PINS AS SEEN FROM THEIR
FREE ENDS.

NOMINAL DIMENSIONS IN MM EXCEPT WHERE OTHER- WISE STATED	A	B	C	D	E	F	G	H	J	K	L
	14.22	12.70	7.88	11.10	1.20 MAX.	2.16	9.10	17.45	2.362	22.5°	45°

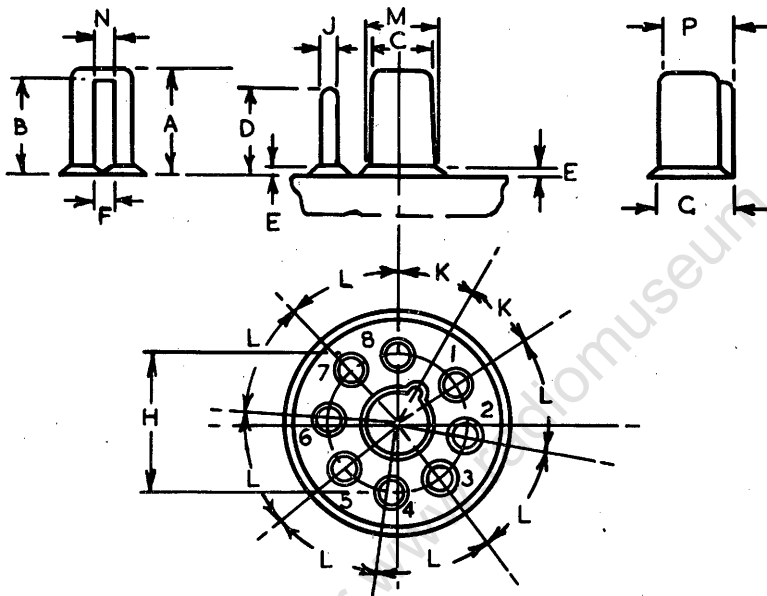
NOTE -

REFERENCE SHOULD BE MADE TO BS 448
FOR FULL INFORMATION.

DRAWING No 3

THE MAZDA OCTAL BASE B8-MO

ILLUSTRATIVE



DRAWING SHOWS THE NUMBERING OF THE PINS AS SEEN FROM THEIR FREE ENDS

NOMINAL DIMENSIONS IN MM EXCEPT WHERE OTHERWISE STATED	A	B	C	D	E	F	G	H	J	K	L	M	N	P
	14.25	12.70	8.80	11.10	1.20 MAX	2.30	10.20	18.50	2.36	27.75	43.50	8.90	2.0	10.0

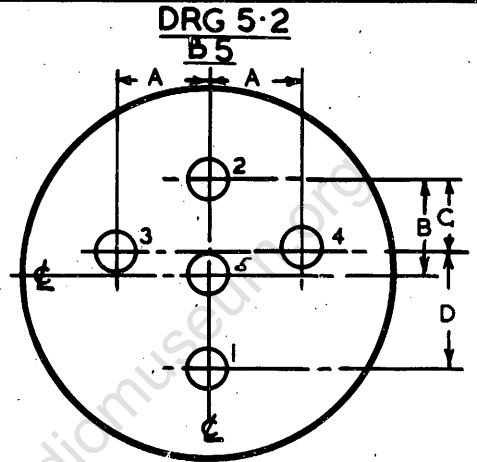
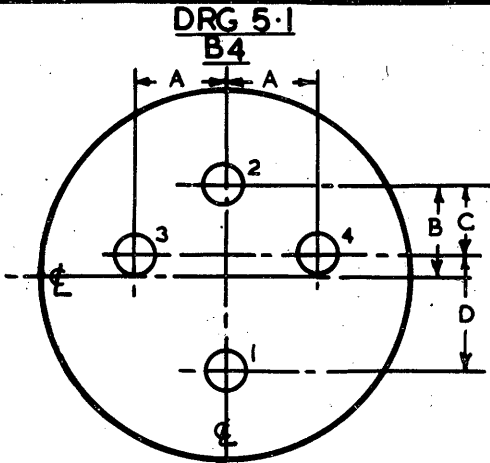
NOTE

REFERENCE SHOULD BE MADE TO B.S. 448 FOR FULL INFORMATION

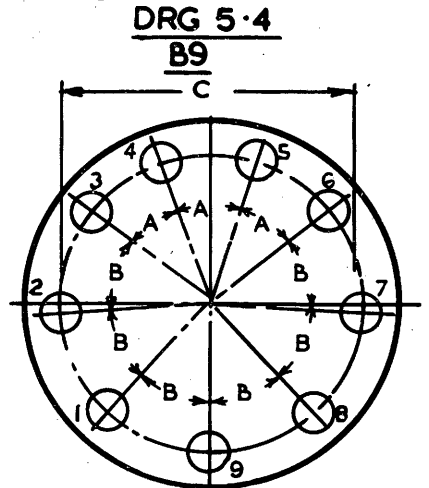
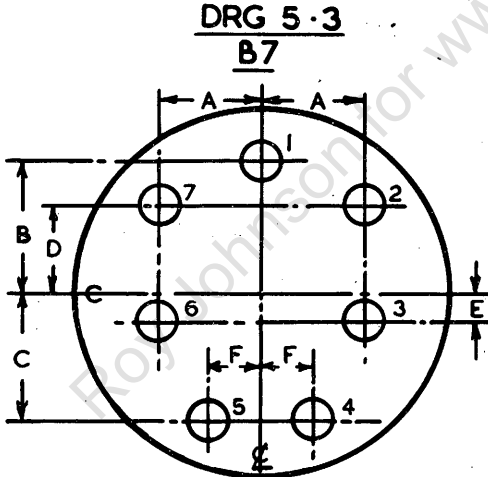
DRAWING No. 5

BRITISH 4,5,7&9 PIN BASES

ILLUSTRATIVE



NOMINAL DIMENSIONS	A	B	C	D
DRG. 5.1	8.00	8.125	6.10	10.15
DRG. 5.2	8.00	8.125	6.10	10.15



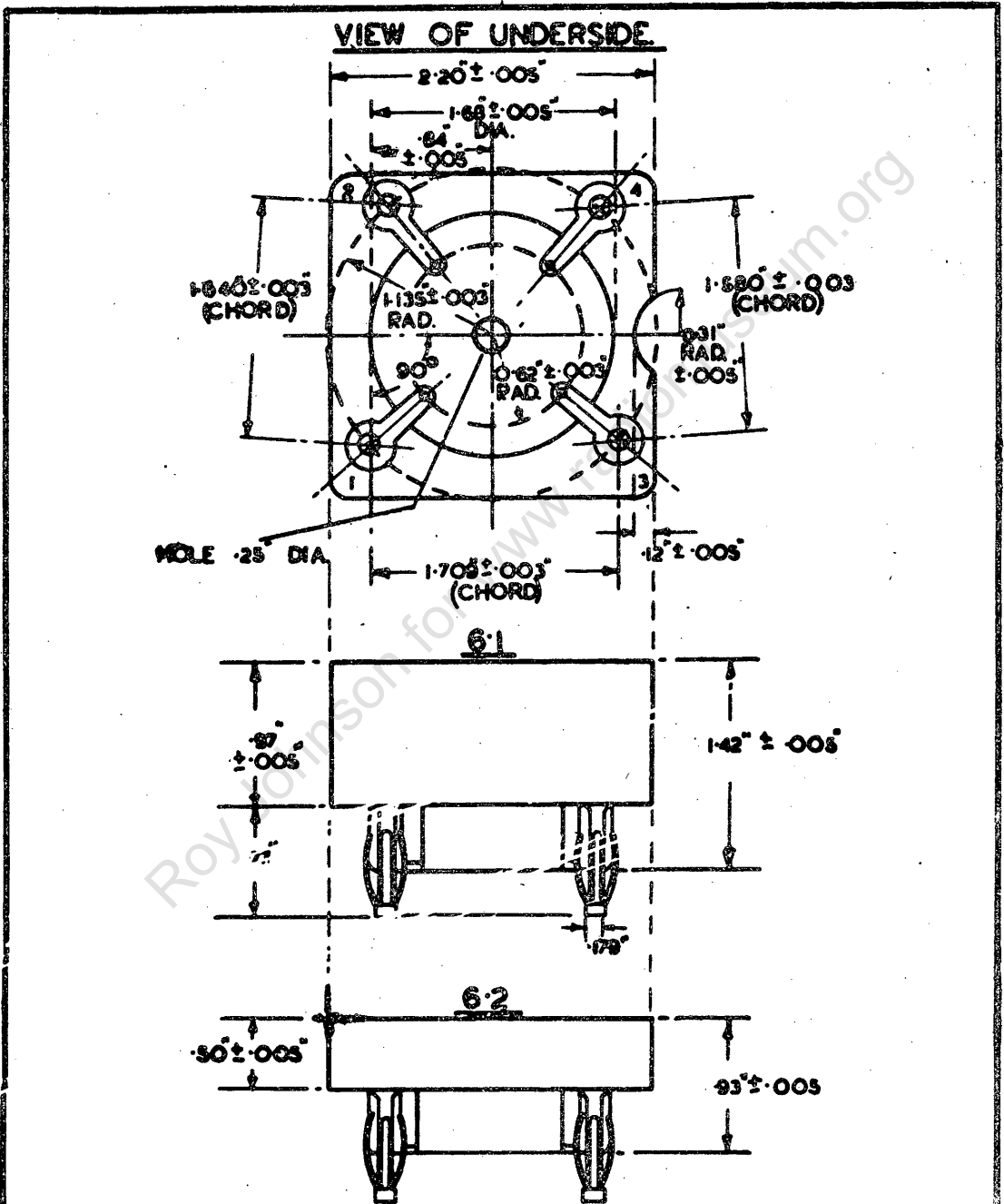
NOMINAL DIMENSIONS	A	B	C	D	E	F
DRG 5.3	9.10	12.0	11.12	7.94	2.19	4.5

NOMINAL DIMENSIONS	A	B	C
DRG 5.4	34°	43°	26.0

- NOTES 1. DRAWINGS SHOW NUMBERING OF PINS AS SEEN FROM THEIR FREE ENDS AND THEIR NOMINAL SPACINGS.
 2. REFERENCE SHOULD BE MADE TO B.S. 448 FOR FULL INFORMATION.
 3. DIMENSIONS IN MM EXCEPT WHERE OTHERWISE STATED.

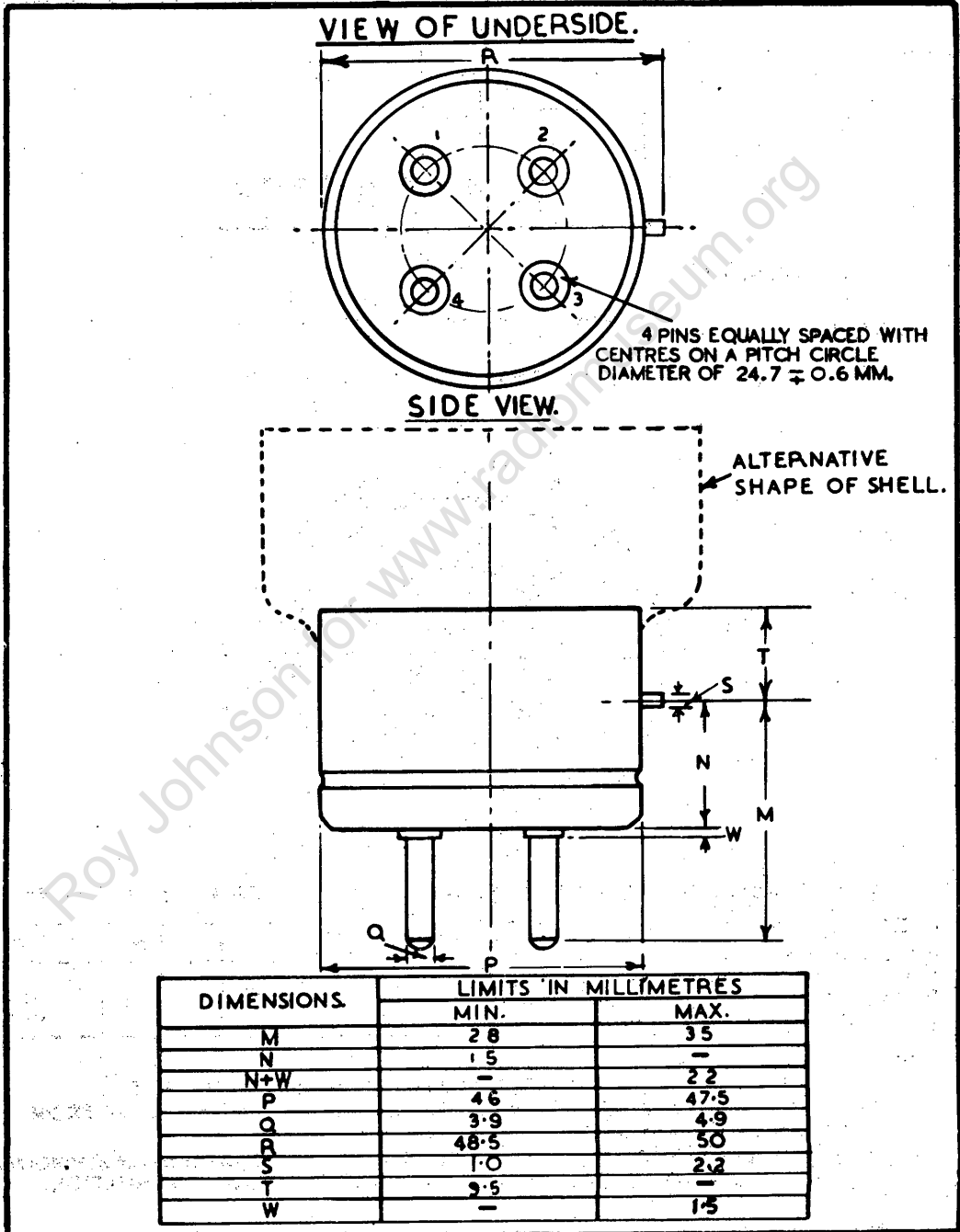
DRAWING No 6.

SPECIAL 4-PIN LOW LOSS BASE. (L4) MANDATORY.



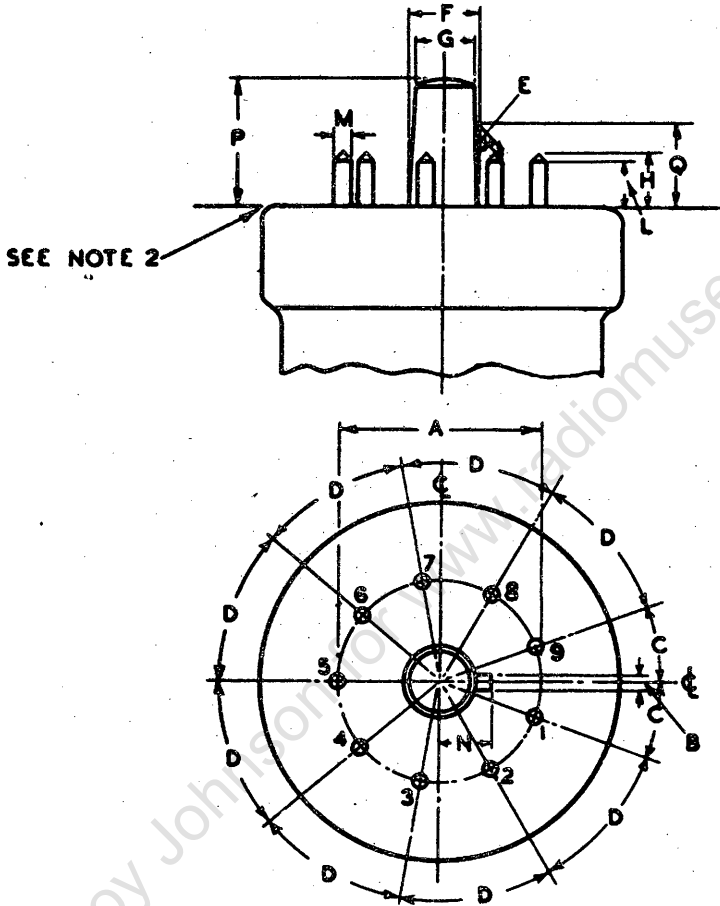
DRAWING No 7.

TRANSMITTING VALVE BASE, 4-PIN METAL SHELL (T4) MANDATORY.



DRAWING N^o 8

B9G BASE
ILLUSTRATIVE



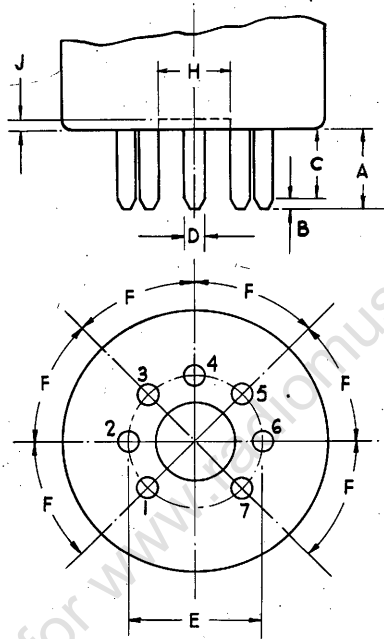
THE DRAWING SHOWS THE NUMBERING OF THE PINS AS SEEN FROM THEIR FREE ENDS.

NOMINAL DIMENSIONS IN MM. EXCEPT WHERE OTHERWISE STATED.	A	B	C	D	E	F	G	H	L	M	N	P	Q
		21.0	2.0	20°	40°	45°	6.5	6.4	6.0 MAX.	4.5	1.1	6.0	14.3

NOTES:—

1. THE SPIGOT MAY BE TAPERED OR PARALLEL WITHIN THE LIMITS GIVEN.
2. DIMENSIONS MEASURED FROM THE UNDER SURFACE OF THE BASE OR FROM THE TURNED-OVER SHOULDER IF PRESENT.
3. IT IS PREFERABLE THAT THE ENDS OF THE PINS SHALL BE TAPERED AND/OR ROUNDED.
4. REFERENCE SHOULD BE MADE TO B.S.S. 448-1947 FOR FULL INFORMATION.

DRAWING No.9
B7G BASE
ILLUSTRATIVE.



DIMENSIONS

A	0.28 IN. MAX.
B	0.015 IN. MIN.
C	0.187 IN. MIN.
D	0.040 IN. NOM.
E	0.375 IN. NOM.
F	45° NOM.
H	0.222 IN. NOM.
J	0.016 IN. MIN.

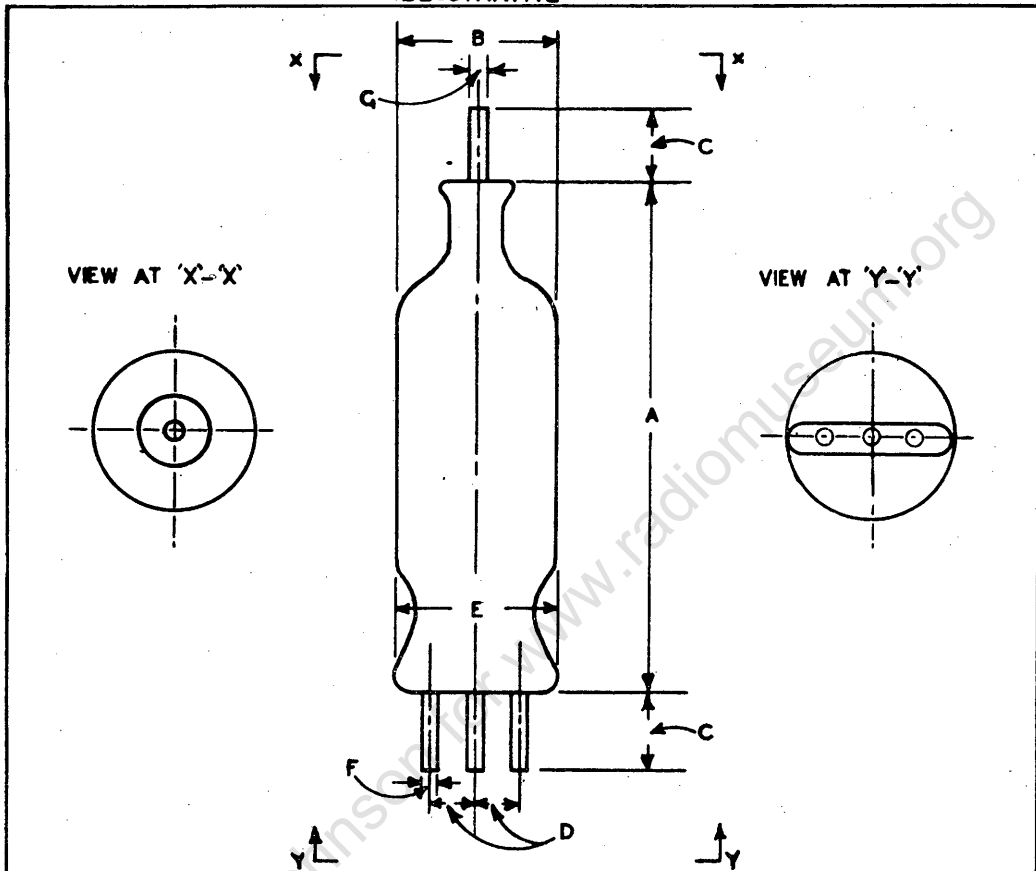
NOTES

- NOTE 1. THE DIMENSIONS FIXING THE POSITION OF THE PINS REFER TO THE FIXED ENDS OF THE PINS.
THE PIN DISPOSITION SHALL BE CHECKED BY MEANS OF A GAUGE AS SHOWN IN FIG. B7G/1.2., B.S.448
- NOTE 2. THE TIPS OF THE PINS SHALL BE TAPERED OR ROUNDED.
- NOTE 3. REFERENCE SHOULD BE MADE TO BS 448 FOR FULL INFORMATION.

DRAWING No 10

VALVES WITH B3G BASE

ILLUSTRATIVE



THE DIMENSIONS ON THE DRAWING, FIXING THE POSITION OF THE PINS REFER TO THE FIXED ENDS OF THE PINS.

NOM. DIM. IN MM EXCEPT WHERE OTHERWISE STATED.	A	B	C	D	E	F	G
	36.0	12.0 MAX.	5.5	3.0	12.0 MAX.	1.0	0.8

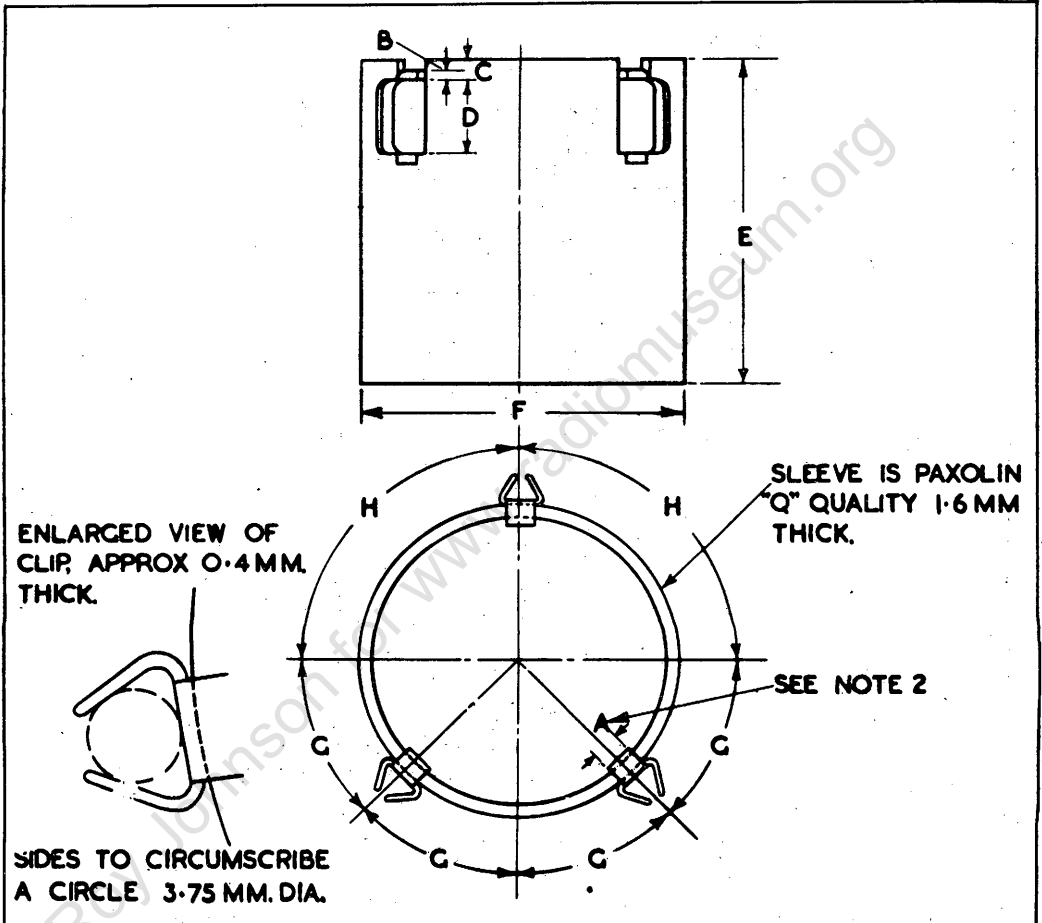
NOTE :-

REFERENCE SHOULD BE MADE TO BS 448-1947
FOR FULL INFORMATION.

DRAWING N^o 11.

3 CLIP BASE (CL3)

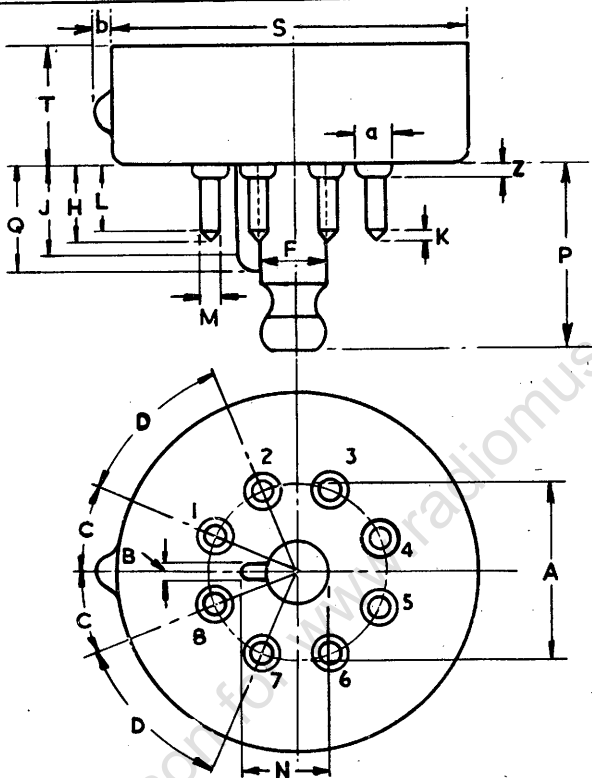
MANDATORY



DIMENSIONS IN MM EXCEPT WHERE OTHERWISE STATED	A	B	C	D	E	F	G	H
		5.5±0.13	1.5 MAX	4.0 MAX	1.10±0.2	3.80±0.10	55.3±0.3	45±0.75

NOTES

- 1. THIS BASE IS DESIGNED FOR USE WITH PINS OF 4.2 MM. DIA. ON A P.C.D. OF 60.6±0.25 MM.
- 2. DIMENSION "A" REFERS TO THE SLOT IN THE PAXOLIN INTO WHICH THE CLIP IS FITTED.

B8G BASE.
ILLUSTRATIVE.

NOMINAL DIMENSIONS IN INCHES
EXCEPT WHERE OTHERWISE STATED.

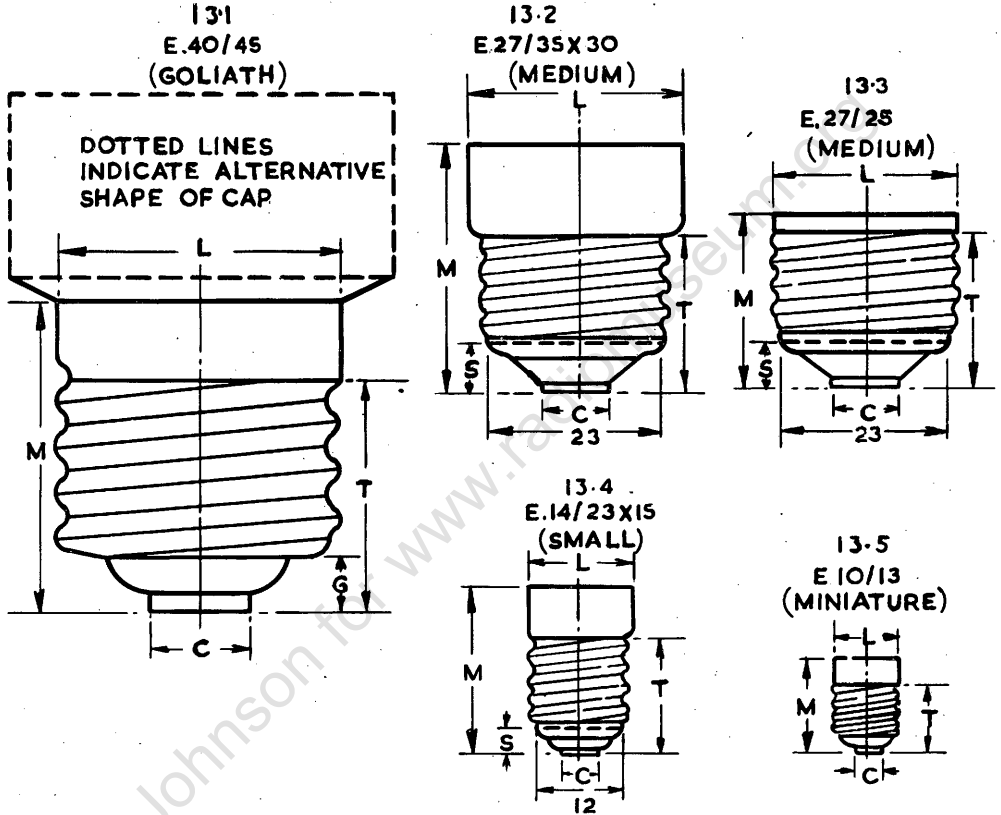
A	0.687	J	0.235 MIN.	Q	0.274
B	0.080	K	0.015 MIN.	S	1.179
C	22½°	L	0.156 MIN.	T	0.50
D	45°	M	0.050	Z	0.030 MAX.
F	0.262	N	0.307	a	0.075 MAX.
H	0.220 MAX.	P	0.534	b	0.040 MAX.

NOTES.

- DIMENSIONS H J L P Q Z ARE MEASURED FROM THE SOLE OF THE BASE, OR THE TURNED OVER SHOULDER IF PRESENT.
- THE ENDS OF THE PINS MAY BE TAPERED OR ROUNDED.
- DIMENSIONS FIXING PIN POSITIONS REFER TO THE FIXED ENDS OF THE PINS.
- THE BOSS (DIMENSION b) IS OPTIONAL.
- REFERENCE SHOULD BE MADE TO B.S. 448 FOR FULL INFORMATION.

DRAWING No.13

EDISON-TYPE SCREW LAMP CAPS ILLUSTRATIVE



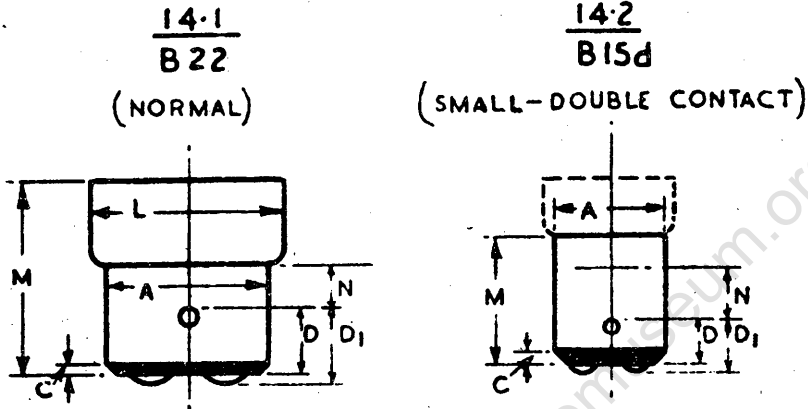
DRAWING	L	M	C	T	G	S
	NOM	NOM	NOM	MIN.	NOM.	NOM.
13-1	39	45	16	34.0	8.5	—
13-2	30	35	10.5	22.0	—	7.5
13-3	26	25.5	10.5	22.0	—	7.5
13-4	15	23.5	6	16.0	—	4
13-5	9.3	13.5	3.75	9.5	—	—

NOTES:-

1. REFERENCE SHOULD BE MADE TO B.S. 98 1934 FOR FULL INFORMATION
2. DIMENSIONS IN MM.

DRAWING N^o 14

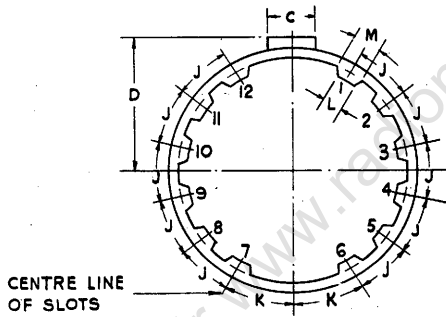
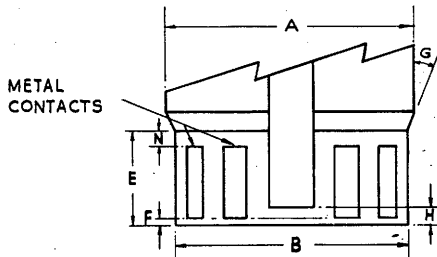
BAYONET LAMP CAPS ILLUSTRATIVE



NOMINAL DIMENSIONS IN MM.	DRG. N ^o	A	C	D	D ₁	L	M	N
	14-1	21.95	1.5	6.5	8.0	26.2	25.5	8.0
14-2	15.14	1.5	6.25	7.51	—	17.5	7.0	

NOTE:- REFERENCE SHOULD BE MADE TO B.S. 52-1941 FOR FULL INFORMATION.

DRAWING No. 15
 B12D BASE
 ILLUSTRATIVE.

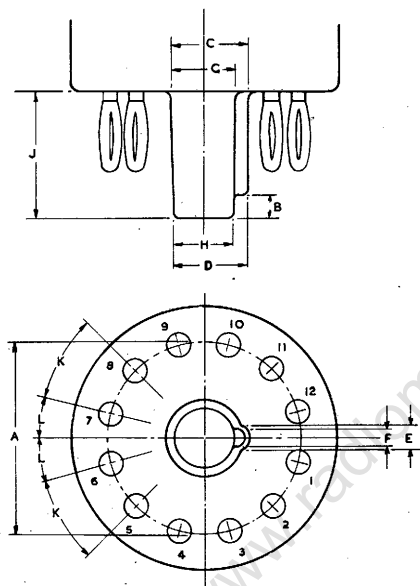


DIMENSIONS			
	INCHES		
	MIN.	MAX.	NOM.
A	2.751	2.822	—
B	2.579	2.630	—
C	0.495	0.535	—
D	1.501	1.560	—
E	1.031	1.093	—
F	0.043	0.250	—
G	—	—	30°
H	0.125	0.187	—
J	—	—	24°
K	—	—	30°
L	0.325	—	—
M	0.22	0.26	—
N	—	0.125	—

NOTE 1. THE FACES OF THE METAL CONTACTS SHALL NOT LIE MORE THAN 0.02 IN. BELOW THE ADJACENT SURFACES OF THE MOULDING.

NOTE 2. REFERENCE SHOULD BE MADE TO BS. 448 FOR FULL INFORMATION.

B12B. BASE ILLUSTRATIVE.



THIRD ANGLE PROJECTION

NOMINAL DIMENSIONS IN MILLIMETRES EXCEPT WHERE OTHERWISE STATED.			
A	35.00	G	12.00
B	3.00	H	11.85
C	14.00	J	22.00
D	13.73	K	30°
E	2.00	L	15°
F	1.78		

NOTES.

NOTE 1. FOR THE 10 PIN VARIANT, PINS 6 AND 12 ARE OMITTED.

NOTE 2. THE DIMENSIONS FIXING THE POSITIONS OF PINS REFER TO THE FIXED ENDS OF PINS.

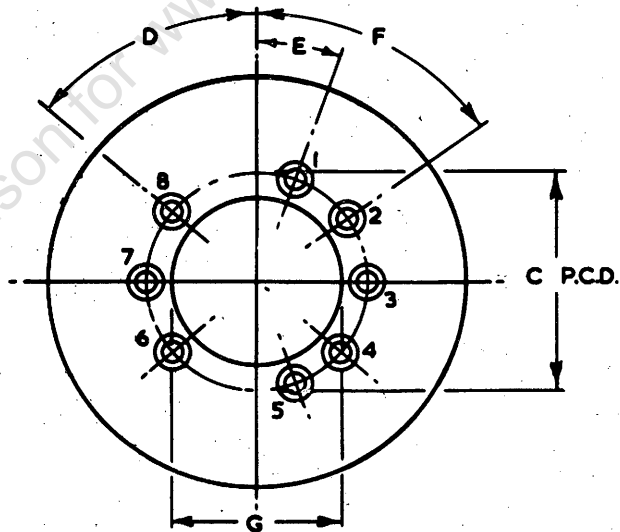
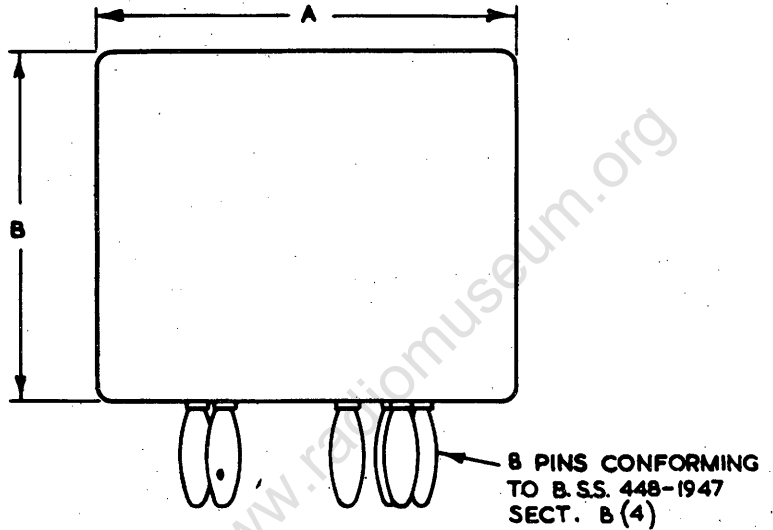
THE PIN DISPOSITION SHALL BE CHECKED BY MEANS OF A GAUGE AS SHOWN IN FIG. B12B/1.2. B.S. 448

NOTE 3. DIMENSIONS AND GAUGES FOR PINS ARE SPECIFIED IN SECTION 5, B.S. 448.

NOTE 4. REFERENCE TO BE MADE TO BS. 448 FOR FULL INFORMATION.

DRAWING No. 17

B8E BASE (FORMERLY EM8) MANDATORY



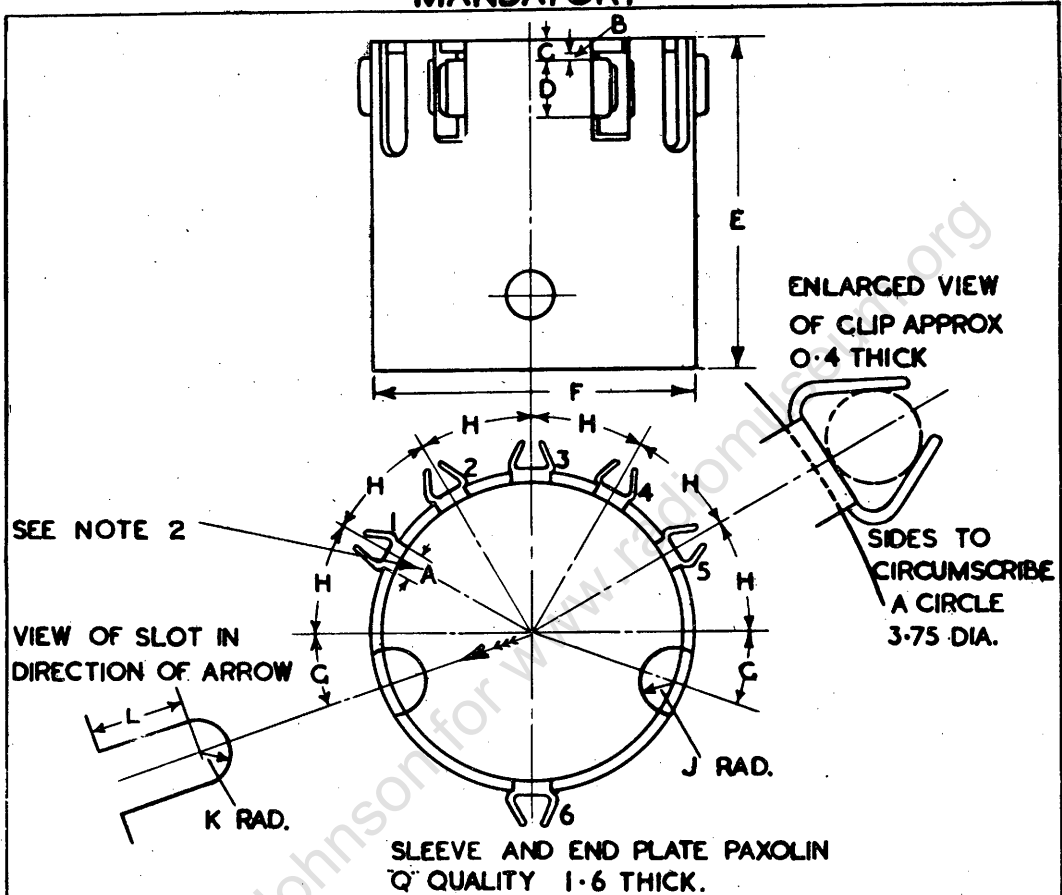
VIEW OF BASE FROM UNDERSIDE SHOWING THE PIN NUMBERINGS.

DIMENSIONS		A	B	C	D	E	F	G
LIMITS IN INCHES	MIN.	2.360	1.85	1.3105	50°	20°	55°	1.0
	MAX.	2.390	2.15	1.3145				

DRAWING N°18

6 CLIP BASE (CL6)

MANDATORY



DIMENSIONS IN MM EXCEPT WHERE OTHERWISE STATED	A	B	C	D	E	F	G	H	J	K	L
	5.5	1.5	4.0	11.0	57.0	55.5	20°	30°	4.75	4.75	16.35
	±0.13	MAX	MAX	±0.2	±0.5	±0.3	±0.75	±0.75	±0.25	±0.25	±0.6

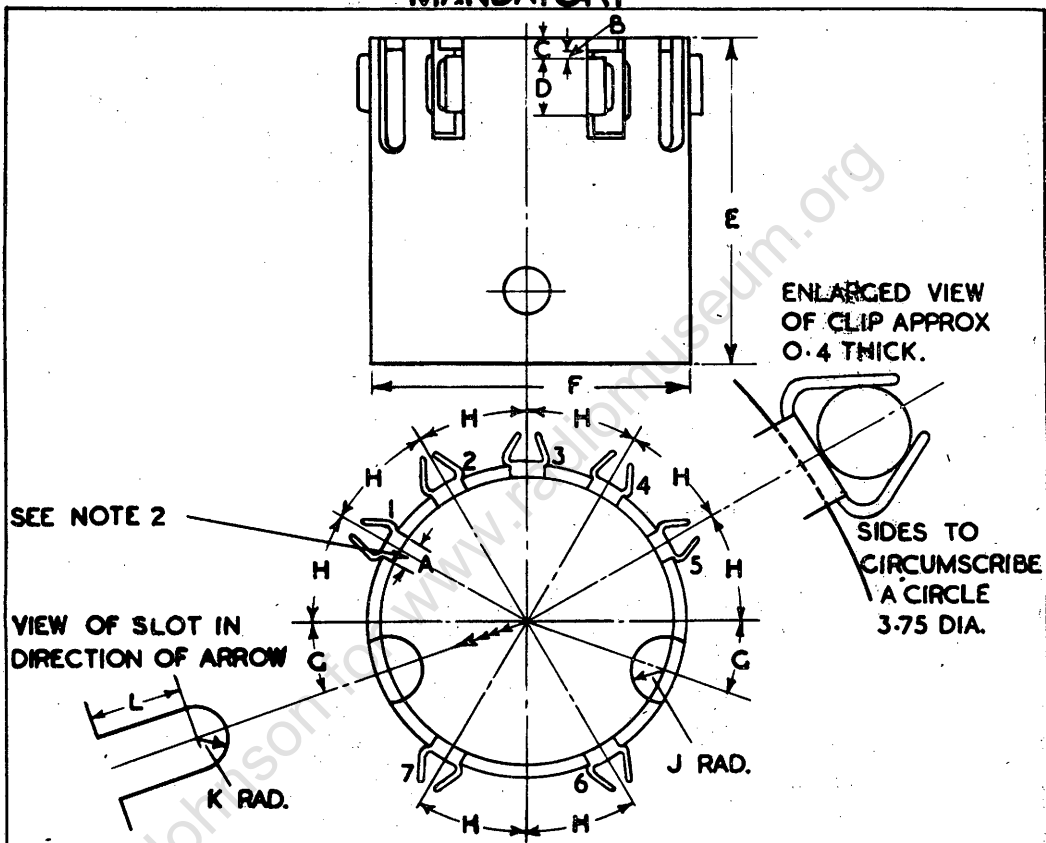
NOTES

1. THIS BASE IS DESIGNED FOR USE WITH PINS OF 4.2 MM. DIA. ON A P. C. D. OF 60.6 ± 0.25 MM.
2. DIMENSION "A" REFERS TO THE SLOT IN THE PAXOLIN INTO WHICH THE CLIP IS FITTED.
3. DRAWING SHOWS THE NUMBERING OF THE CONTACTS WITH THE BASE VIEWED FROM THE UNDERSIDE.

DRAWING N°19

7 CLIP BASE (CL7)

MANDATORY



SLEEVE AND END PLATE PAXOLIN "Q" QUALITY 1.6 THICK

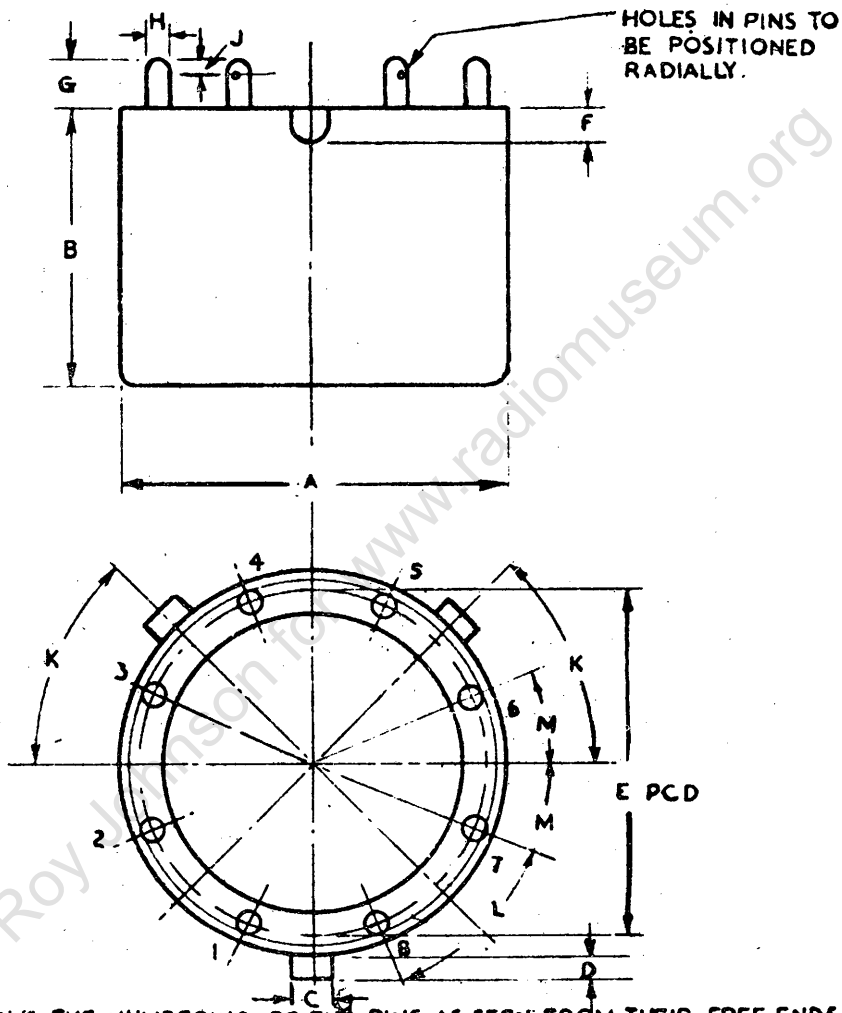
DIMENSIONS IN MM EXCEPT WHERE OTHERWISE STATED.	A	B	C	D	E	F	G	H	J	K	L
	5.5	1.5	4.0	11.0	57.0	55.5	20°	30°	4.75	4.75	16.35
	±0.13	MAX.	MAX.	±0.2	±0.5	±0.3	±0.75	±0.75	±0.25	±0.25	±0.6

NOTES

1. THIS BASE IS DESIGNED FOR USE WITH PINS OF 4.2 MM DIA ON A P.C.D. OF 60.6 ± 0.25 MM.
2. DIMENSION "A" REFERS TO THE SLOT IN THE PAXOLIN INTO WHICH THE CLIP IS FITTED.
3. DRAWING SHOWS THE NUMBERING OF THE CONTACTS WITH THE BASE VIEWED FROM THE UNDERSIDE.

DRAWING N° 20

8 PIN BAYONET BASE (PBB) MANDATORY

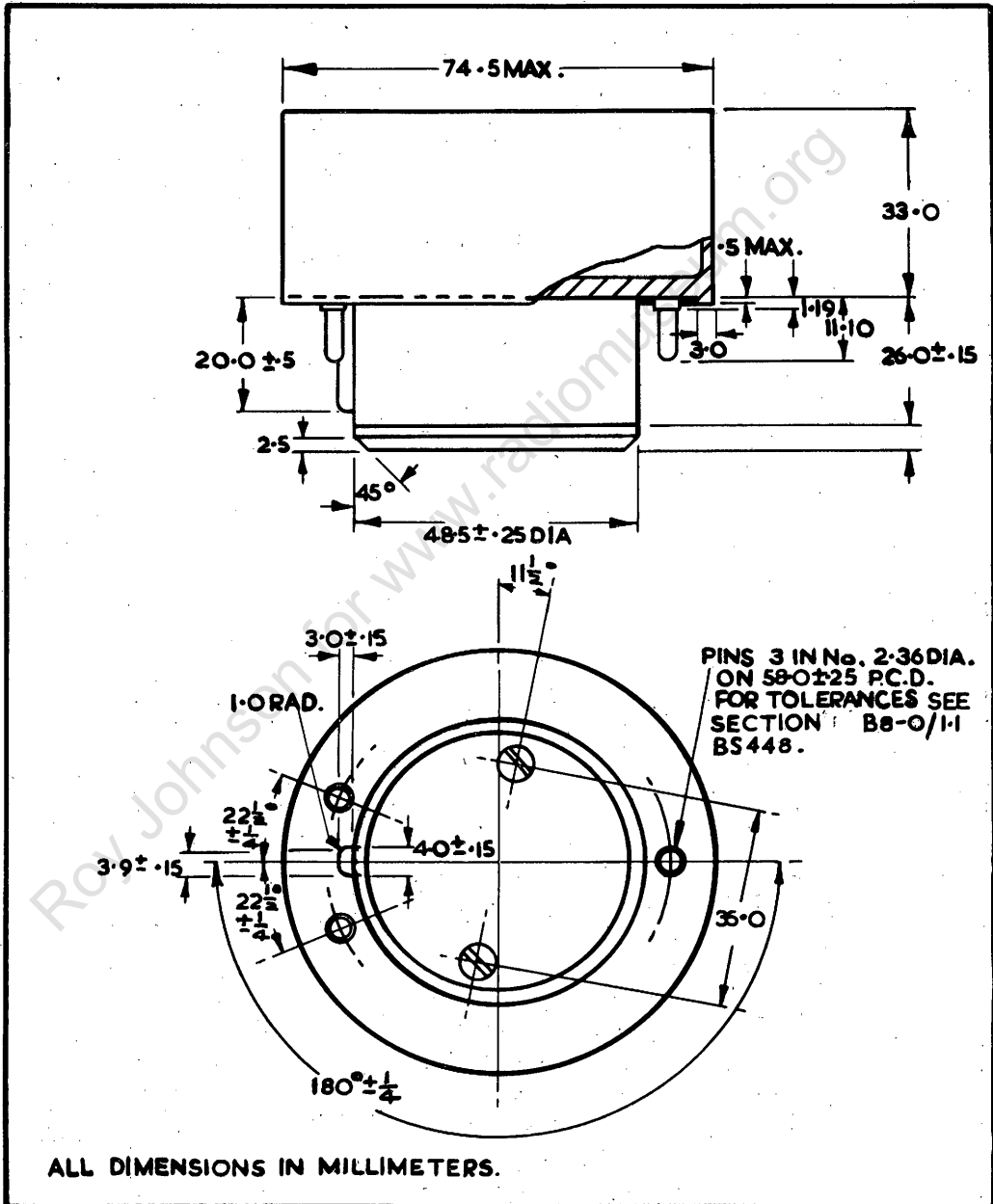


DRAWING SHOWS THE NUMBERING OF THE PINS AS SEEN FROM THEIR FREE ENDS.

DIMENSIONS		A	B	C	D	E	F	G	H	J	K	L	M
LIMITS IN MM.	MIN.	50.3	37.9	3.87	2.28	44.44	4.66	6.25	3.07	3.07	45°	45°	22 ¹ / ₂ °
	MAX	50.5	38.1	4.07	2.48		4.86	6.45	3.27	3.27			

DRAWING No 21

BISA3 BASE (FORMERLY 3-PIN QUINDECAL)
MANDATORY.

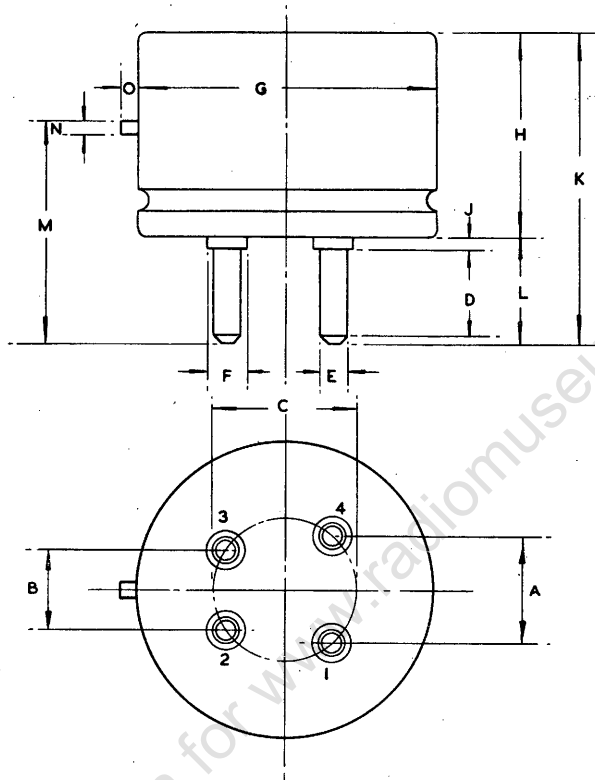


DRAWING No. 22

B4D BASE

MANDATORY.

THIRD ANGLE PROJECTION



THE MILLIMETRE DIMENSIONS ARE DERIVED FROM THE ORIGINAL INCH DIMENSIONS

REF	DIMENSIONS							NOTES
	INCHES			DEGREES	MILLIMETRES			
	MIN	NOM	MAX	NOM	MIN	NOM	MAX	
A	—	.750	—	—	—	19.05	—	2
B	—	.562	—	—	—	14.274	—	2
C	—	1.000	—	—	—	25.40	—	2
D	0.575	—	—	—	14.61	—	—	
E	0.184	0.187	0.190	—	4.68	4.75	4.82	
F	—	—	0.260	—	—	—	6.60	
G	2.177	2.198	2.219	—	55.30	55.83	56.35	
H	—	1.438	—	—	—	36.53	—	
J	—	—	0.073	—	—	—	1.85	
K	—	2.125	—	—	—	53.98	—	1
L	—	—	0.718	—	—	—	18.23	1
M	1.526	1.546	1.566	—	38.8	39.25	39.75	1
N	—	—	0.082	—	—	—	2.08	
O	0.079	0.094	0.109	—	2.05	2.4	2.75	

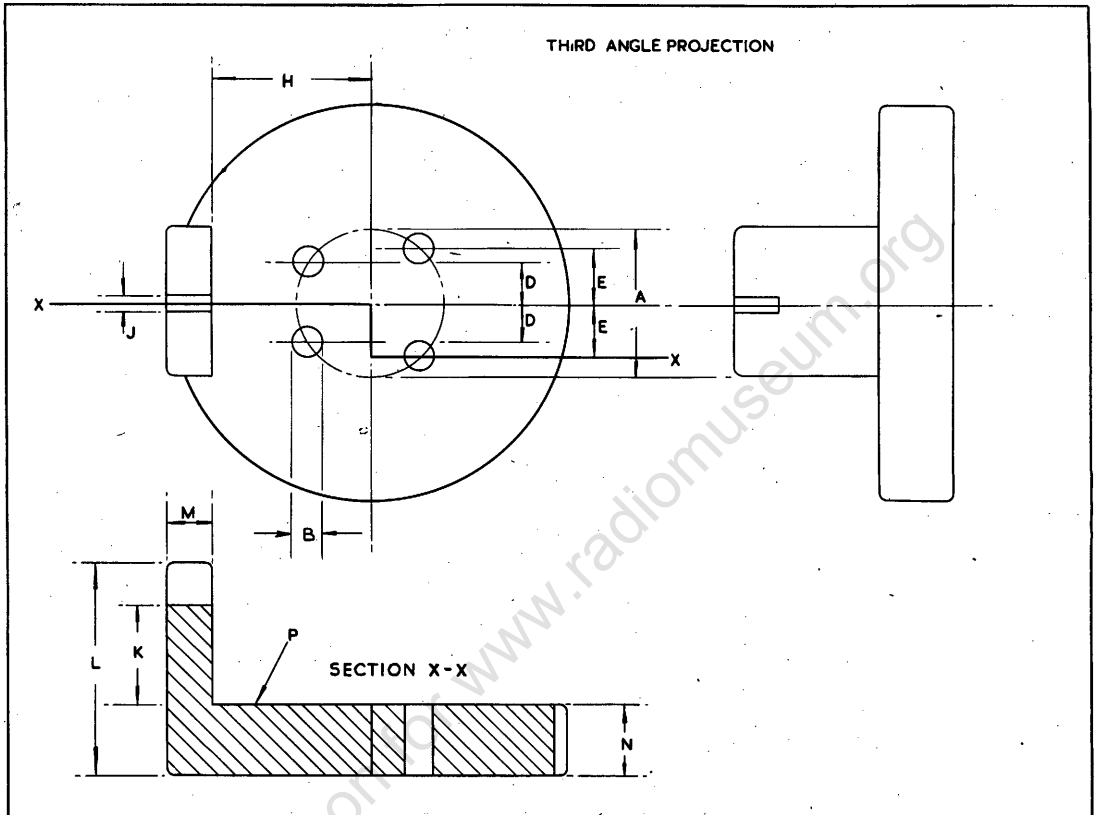
NOTES

1. THE DIMENSIONS K, L, AND M MAY BE INCREASED BY 0.060 IN. (1.52 mm) MAX FOR SOLDER.
2. THE DIMENSION FIXING THE POSITIONS OF PINS REFER TO THE FIXED ENDS OF THE PINS, AND ARE GIVEN FOR INFORMATION ONLY. THE PIN DISPOSITION SHOULD BE CHECKED BY MEANS OF THE GAUGE SHOWN ON DRG No. 22 A
3. THE DRAWING SHOWS THE NUMBERING OF THE PINS AS SEEN FROM THEIR FREE ENDS.
4. THIS BASE IS THE AMERICAN SUPER JUMBO, JETEC TYPE A4-18.

DRAWING No.22 A

B 4 D BASE PIN & BAYONET POSITION GAUGE

MANDATORY.



THE MILLIMETRE DIMENSIONS ARE DERIVED FROM THE ORIGINAL INCH DIMENSIONS

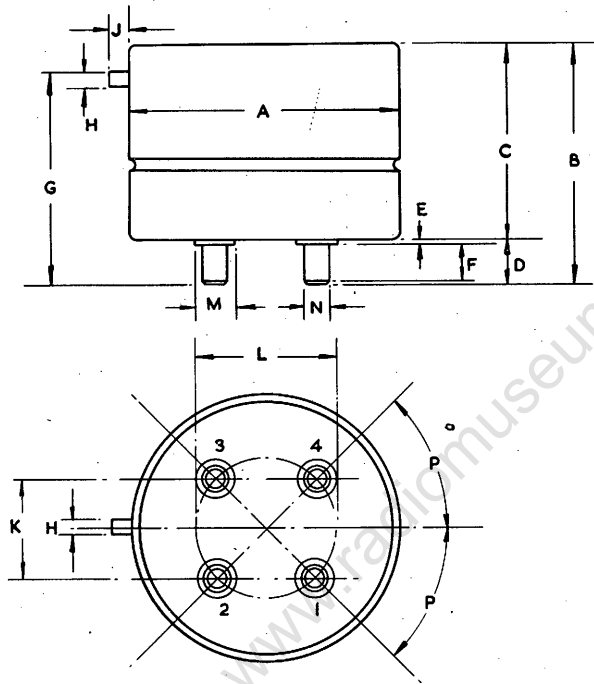
REF	DIMENSIONS							NOTES
	INCHES			DEGREES	MILLIMETRES			
	MIN	NOM	MAX	NOM	MIN	NOM	MAX	
A	—	1.000	—	—	—	25.40	—	
B	0.206	0.2065	0.207	—	5.234	5.244	5.256	1
D	—	0.281	—	—	—	7.137	—	
E	—	0.375	—	—	—	9.525	—	
H	1.110	1.110	1.115	—	28.195	28.195	28.320	
J	0.087	0.0875	0.088	—	2.210	2.222	2.234	1
K	—	0.687	—	—	—	17.45	—	
L	—	1.5	—	—	—	38.1	—	
M	—	0.312	—	—	—	7.92	—	
N	—	0.5	—	—	—	12.7	—	

NOTES

1. HOLES B AND SLOT J HAVE POSITIONAL TOLERANCE ZONES 0.001 IN. (0.025 mm) DIAMETER AND 0.001 IN. (0.025 mm) WIDE RESPECTIVELY. DATUM-FACE P.
2. THE VALVE SHALL SEAT INTO THE GAUGE UNDER ITS OWN WEIGHT

B4F BASE
ILLUSTRATIVE

THIRD ANGLE
PROJECTION.



NOMINAL DIMENSIONS IN INCHES
EXCEPT WHERE OTHERWISE STATED

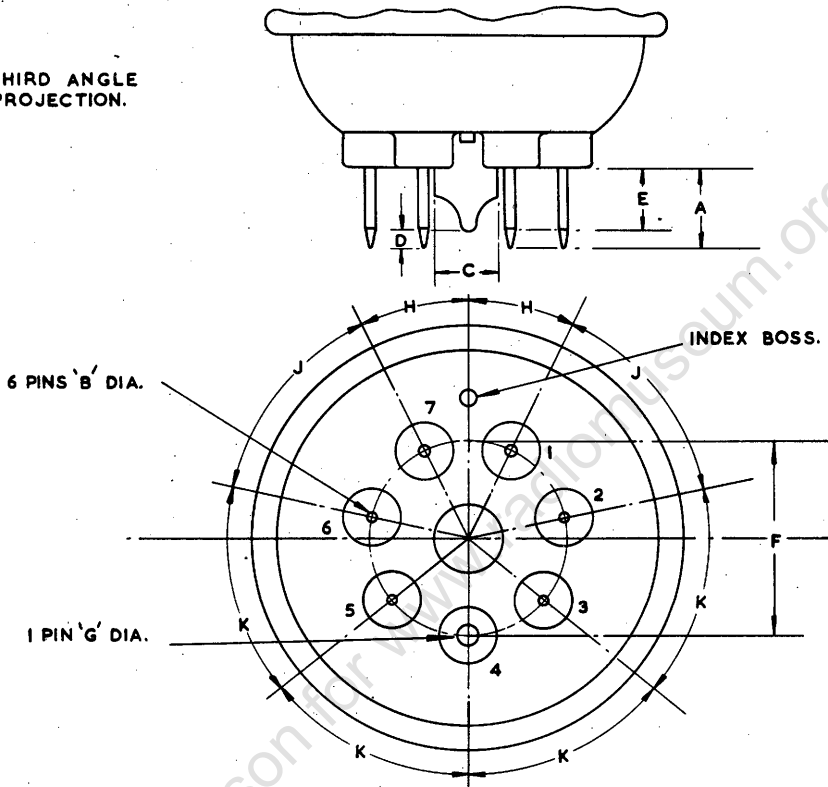
A	1.854	H	0.082 MAX.
B	1.670	J	0.094
C	1.395	K	0.688
D	0.320 MAX.	L	0.971
E	0.030 MAX.	M	0.260 MAX.
F	0.250 MIN.	N	0.187
G	1.165	P	45°

NOTES.

1. DIMENSIONS B, D AND G MAY BE INCREASED 0.060 IN. MAX. FOR SOLDER ON THE ENDS OF THE PINS.
2. THE DRAWING SHOWS THE NUMBERING OF THE PINS AS VIEWED FROM THEIR FREE ENDS.
3. REFERENCE SHOULD BE MADE TO BS 448 FOR FULL INFORMATION.

**B7A BASE
ILLUSTRATIVE**

THIRD ANGLE
PROJECTION.



DIMENSIONS

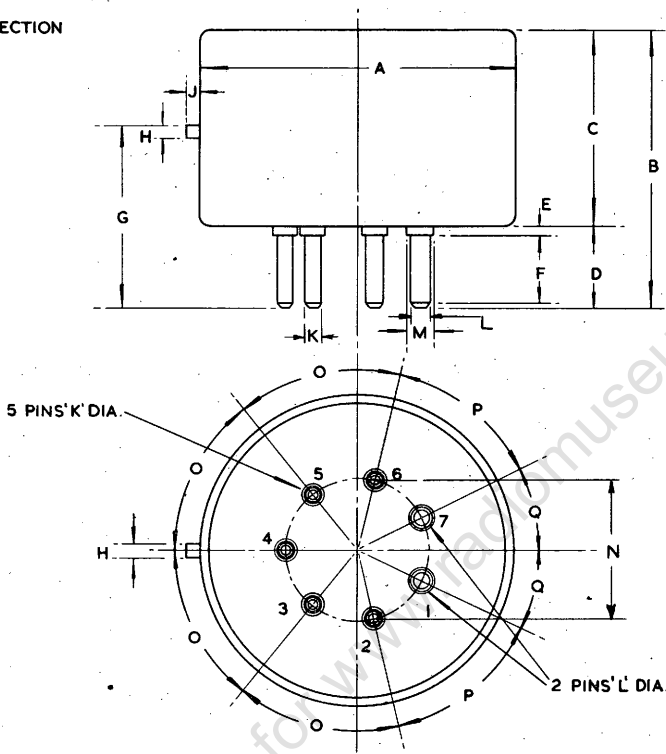
A	0.438 IN. NOM.
B	0.058 IN. NOM.
C	0.375 IN. MAX.
D	ZERO MIN.
E	0.312 IN. MIN.
F	1.000 IN. NOM.
G	0.125 IN. NOM.
H	26° NOM.
J	52° NOM.
K	51° NOM.

NOTES.

1. THE DIMENSIONS FIXING THE POSITION OF THE PINS REFER TO THE FIXED END OF THE PIN.
2. THE TIPS OF THE PINS SHALL BE TAPERED OR ROUNDED.
3. THE DRAWING SHOWS THE NUMBERING OF THE PINS AS SEEN FROM THEIR FREE ENDS.
4. REFERENCE SHOULD BE MADE TO BS448 FOR FULL INFORMATION.

B7D VALVE BASE
ILLUSTRATIVE.

THIRD ANGLE PROJECTION



NOMINAL DIMENSIONS IN INCHES
EXCEPT WHERE OTHERWISE STATED

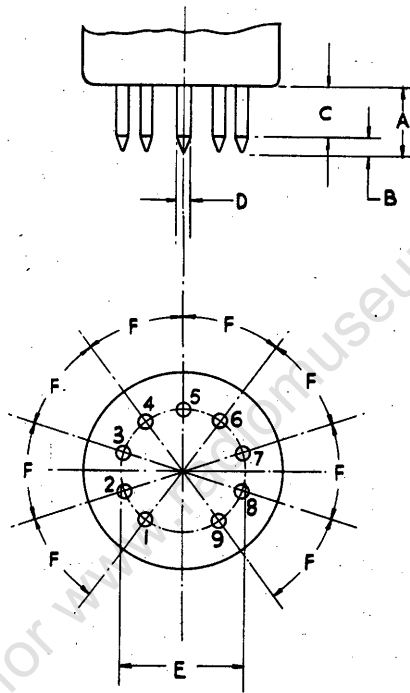
A	2.167	J	0.094
B	1.875	K	0.125
C	1.338	L	0.156
D	0.562 MAX.	M	0.195 MAX.
E	0.065 MAX.	N	1.000
F	0.450 MIN.	O	51° NOM.
G	1.230	P	52° NOM.
H	0.082 MAX.	Q	26° NOM.

NOTES

1. DIMENSIONS B, D AND G MAY BE INCREASED BY 0.030 IN. MAX. FOR SOLDER ON THE ENDS OF THE PINS.
2. THE DIMENSIONS FOR THE POSITION OF PINS REFER TO THEIR FIXED ENDS.
3. THE ENDS OF PINS MAY BE ROUNDED OR TAPERED.
4. THE DRAWING SHOWS THE NUMBERING OF THE PINS VIEWED FROM THEIR FREE ENDS.
5. REFERENCE SHOULD BE MADE TO BS448 FOR FULL INFORMATION.

B9A BASE
ILLUSTRATIVE.

THIRD ANGLE PROJECTION



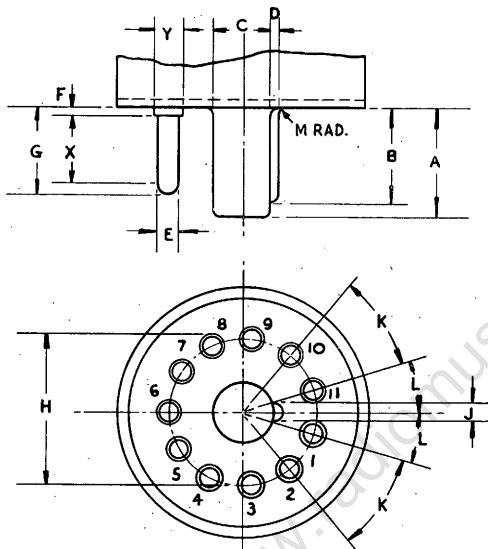
DIMENSIONS	
A	0.28 IN. MAX.
B	0.015 IN. MIN.
C	0.187 IN. MIN.
D	0.040 IN. NOM.
E	0.468 IN. NOM.
F	36° NOM.

NOTES

1. THE DIMENSIONS FIXING THE POSITIONS OF THE PINS REFER TO THE FIXED ENDS.
2. THE TIPS OF THE PINS SHALL BE TAPERED OR ROUNDED
3. THE DRAWING SHOWS THE NUMBERING OF THE PINS AS VIEWED FROM THEIR FREE ENDS.
4. REFERENCE SHOULD BE MADE TO BS448 FOR FULL INFORMATION.

DRAWING No27
B11A BASE
ILLUSTRATIVE.

THIRD ANGLE PROJECTION



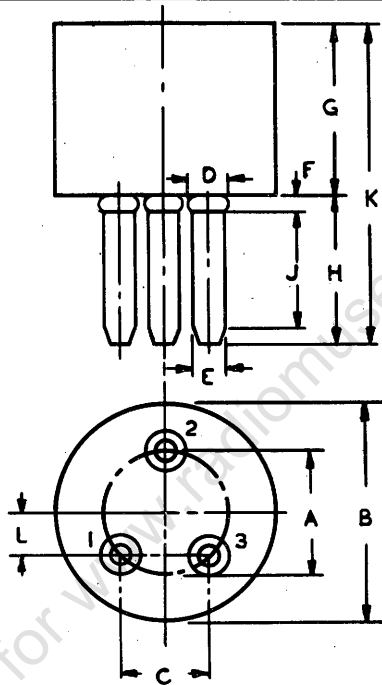
NOMINAL DIMENSIONS IN INCHES EXCEPT WHERE OTHERWISE STATED			
A	0.560 MAX.	H	0.750
B	0.480 MIN.	J	0.085
C	0.308	K	$32^{8/11}^{\circ}$
D	0.048	L	$16^{4/11}^{\circ}$
E	0.093	M	0.050 MAX.
F	0.035 MAX.	X	0.340 MIN.
G	0.437 MAX.	Y	0.135 MAX.

NOTES.

1. DIMENSION G MAY BE INCREASED BY 0.03 IN. MAXIMUM FOR SOLDER.
2. THE DIMENSIONS FIXING THE POSITIONS OF PINS REFER TO THE FIXED END OF THE PIN.
3. ANY PROJECTIONS ON THE UNDER SURFACE OF THE BASE OTHER THAN THOSE SHOWN, SUCH AS A RIM, SHALL HAVE A HEIGHT NOT EXCEEDING 0.020 IN.
4. THE DRAWING SHOWS THE NUMBERING OF THE PINS AS SEEN FROM THEIR FREE ENDS.
5. REFERENCE SHOULD BE MADE TO BS448 FOR FULL INFORMATION.

B3A BASE.

ILLUSTRATIVE.

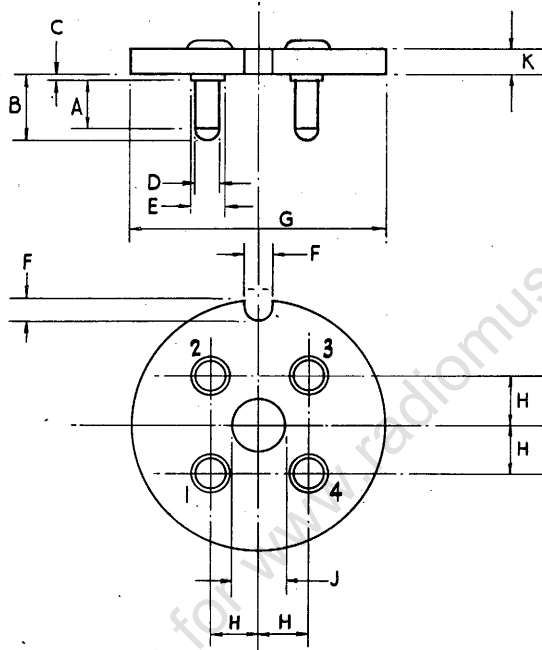


THE MILLIMETRE DIMENSIONS ARE DERIVED FROM THE ORIGINAL INCH DIMENSIONS.

REF.	INCHES			MILLIMETRES			NOTES
	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.	
A	—	0.344	—	—	8.74	—	—
B	0.610	—	0.656	15.50	—	16.65	—
C	—	0.243	—	—	6.17	—	—
D	—	—	0.135	—	—	3.42	—
E	0.090	0.093	0.096	2.286	2.362	2.438	—
F	—	—	0.045	—	—	1.14	—
G	—	0.500	—	—	12.7	—	—
H	—	—	0.447	—	—	11.35	1
J	0.340	—	—	8.64	—	—	—
K	—	0.937	—	—	23.8	—	—
L	—	0.122	—	—	3.1	—	—

NOTES.

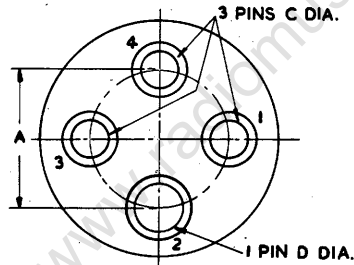
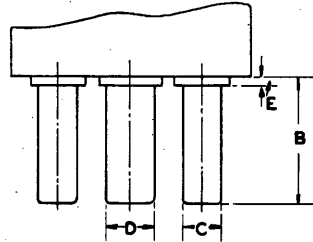
1. ON THE FINISHED TUBE ADD 0.030 IN. (0.76 mm.) FOR SOLDER.
2. THE DISPOSITION OF THE PINS SHALL BE CHECKED BY MEANS OF THE GAUGE SHOWN IN Fig. B3A/1.2, B.S. 448.
3. THE DIMENSIONS ON THE DRAWING FIXING THE POSITIONS OF THE PINS REFER TO THE FIXED ENDS OF THE PINS.
4. REFERENCE SHOULD BE MADE TO B5448 FOR FULL INFORMATION.



THE MILLIMETRE DIMENSIONS ARE DERIVED FROM THE ORIGINAL INCH DIMENSIONS

REF	DIMENSIONS.							NOTES
	INCHES			DEGREES	MILLIMETRES			
	MIN.	NOM.	MAX	NOM	MIN	NOM	MAX	
A	0.328				8.33			
B	0.413	0.423	0.433		10.50	10.74	10.98	
C			0.040				1.01	
D	0.183	0.187	0.191		4.65	4.75	4.85	
E	0.240	0.250	0.260		6.10	6.35	6.60	
F	0.171	0.187	0.203		4.36	4.75	5.14	
G	1.788	1.813	1.813		45.42	46.04	46.04	
H	0.324	0.344	0.364		8.25	8.74	9.20	
J			0.383				9.75	
K		0.187				4.75		

DRAWING NO. 30
B4B BASE.
ILLUSTRATIVE.



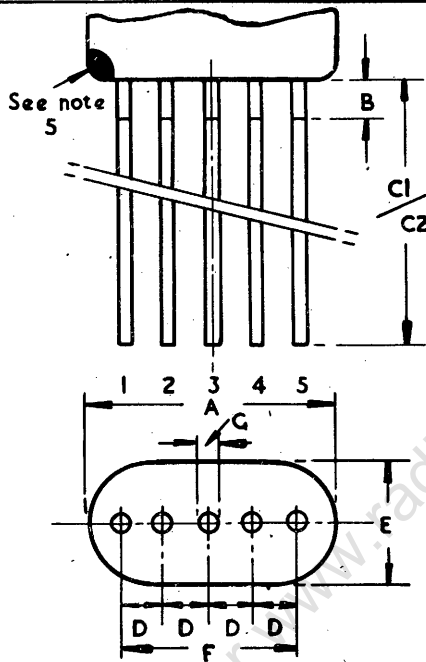
DIMENSIONS IN INCHES	
A	0.362 NOM
B	0.333 NOM
C	0.090 NOM
D	0.122 NOM
E	0.040 MAX.

NOTES

1. DIMENSION B MAY BE INCREASED BY 0.03 IN MAX. FOR SOLDER
2. REFERENCE SHOULD BE MADE TO BS448 FOR FULL INFORMATION.

B5A and B5A/F BASES

ILLUSTRATIVE.



THE INCH DIMENSIONS ARE DERIVED FROM THE ORIGINAL MILLIMETRE DIMENSIONS EXCEPT WHERE STATED.

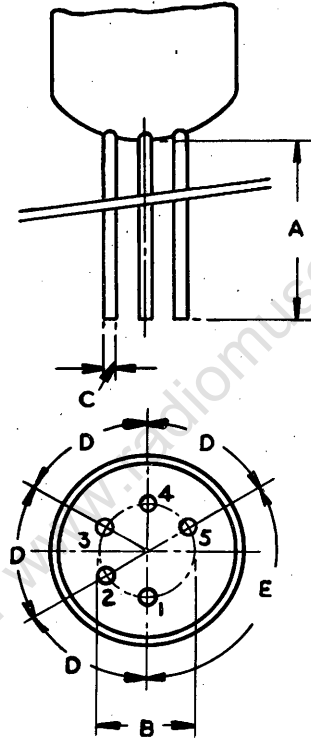
REF.	DIMENSIONS							NOTES
	INCHES			DEG ⁵	MILLIMETRES.			
	MIN	NOM	MAX	NOM	MIN	NOM	MAX	
A	—	—	0.400	—	—	—	10.16	3
B	—	—	0.078	—	—	—	2.0	1
C1	1.5	—	—	—	31.75	—	—	2, 3
C2	0.169	0.200	0.231	—	4.30	5.08	5.85	2, 3
D	0.032	—	0.061	—	0.80	—	1.55	—
E	—	—	0.291	—	—	—	7.4	—
F	0.126	0.2	0.216	—	3.2	5.08	5.5	4
G	0.0134	—	0.019	—	0.34	—	0.48	—

NOTES.

- WIRES SHALL BE TINNED EXCEPT FOR DIMENSION B.
- THERE ARE TWO VERSIONS OF THIS BASE B5A/F HAS LONG WIRES, B5A, HAS SHORT WIRES.
- THESE MILLIMETRE DIMENSIONS ARE DERIVED FROM THE INCH ORIGINALS.
- THE MILLIMETRE NOMINAL OF THIS DIMENSION IS DERIVED FROM THE ORIGINAL INCH NOMINAL DIMENSION.
- THERE IS A RED SPOT ADJACENT TO PIN 1.
- REFERENCE SHOULD BE MADE TO BS 448 FOR FULL INFORMATION.

B5B and B5B/F BASES

ILLUSTRATIVE.



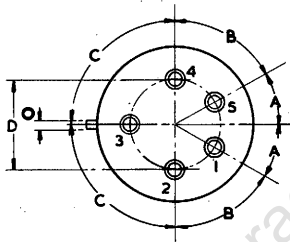
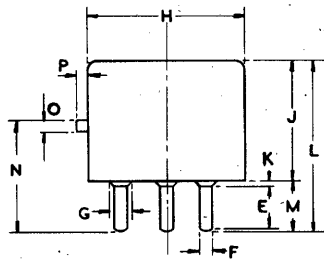
THE INCH DIMENSIONS ARE DERIVED FROM THE ORIGINAL MILLIMETRE DIMENSIONS.

REF	DIMENSIONS							NOTES
	INCHES			DEG °	MILLIMETRES			
	MIN	NOM	MAX	NOM	MIN	NOM	MAX	
A	1.5	—	—	—	32	—	—	—
B	—	0.091	—	—	—	2.3	—	—
C	—	0.0158	—	—	—	0.4	—	—
D	—	—	—	60	—	—	—	—
E	—	—	—	120	—	—	—	—

NOTE

1. REFERENCE SHOULD BE MADE TO BS448 FOR FULL INFORMATION.

DRAWING No. 33
 BSD BASE.
 ILLUSTRATIVE.

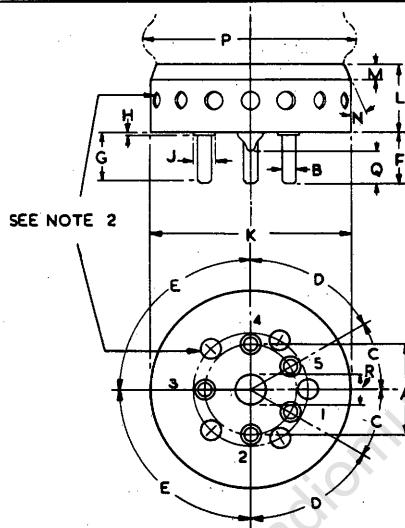


NOMINAL DIMENSIONS IN INCHES EXCEPT WHERE OTHERWISE STATED			
A	30°	J	1.750
B	60°	K	0.073 MAX.
C	90°	L	2.487
D	1.250	M	0.740 MAX.
E	0.575 MIN.	N	1.576
F	0.187	O	0.082 MAX.
G	0.260 MAX.	P	0.120
H	2.165		

NOTES

1. DIMENSIONS L, M AND N MAY BE INCREASED BY 0.03 INCH MAX. FOR SOLDER.
2. THE DIMENSIONS FIXING THE POSITIONS OF THE PINS REFER TO THE FIXED END OF THE PINS.
3. REFERENCE SHOULD BE MADE TO BS448 FOR FULL INFORMATION.

DRAWING No 34
B5E BASE
ILLUSTRATIVE

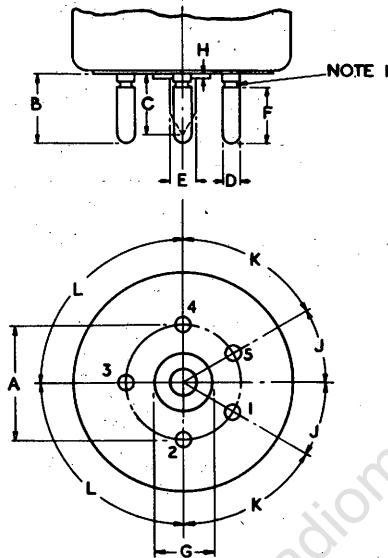


NOMINAL DIMENSIONS IN INCHES EXCEPT WHERE OTHERWISE STATED			
A	1.250	J	0.260 MAX.
B	0.187	K	2.711
C	30°	L	0.945
D	60°	M	0.197
E	90°	N	13°
F	0.740 MAX.	P	2.875 MAX.
G	0.575 MIN.	Q	0.500 MIN.
H	0.073 MAX.	R	0.500

NOTES

1. DIMENSION F MAY BE INCREASED BY 0.03 IN. MAX. FOR SOLDER
2. FIVE HOLES 0.315 IN. DIA. PLACED AS SHOWN ON THE BASE AND FIFTEEN HOLES 0.236 IN. DIA. EQUALLY SPACED ROUND THE SHELL TO ALLOW FORCED AIR COOLING.
3. P IS THE MAXIMUM PERMISSIBLE DIAMETER OF THE VALVE.
4. THE ENDS OF THE PINS MAY BE TAPERED OR ROUNDED.
5. FOR FURTHER INFORMATION SEE BS:448.

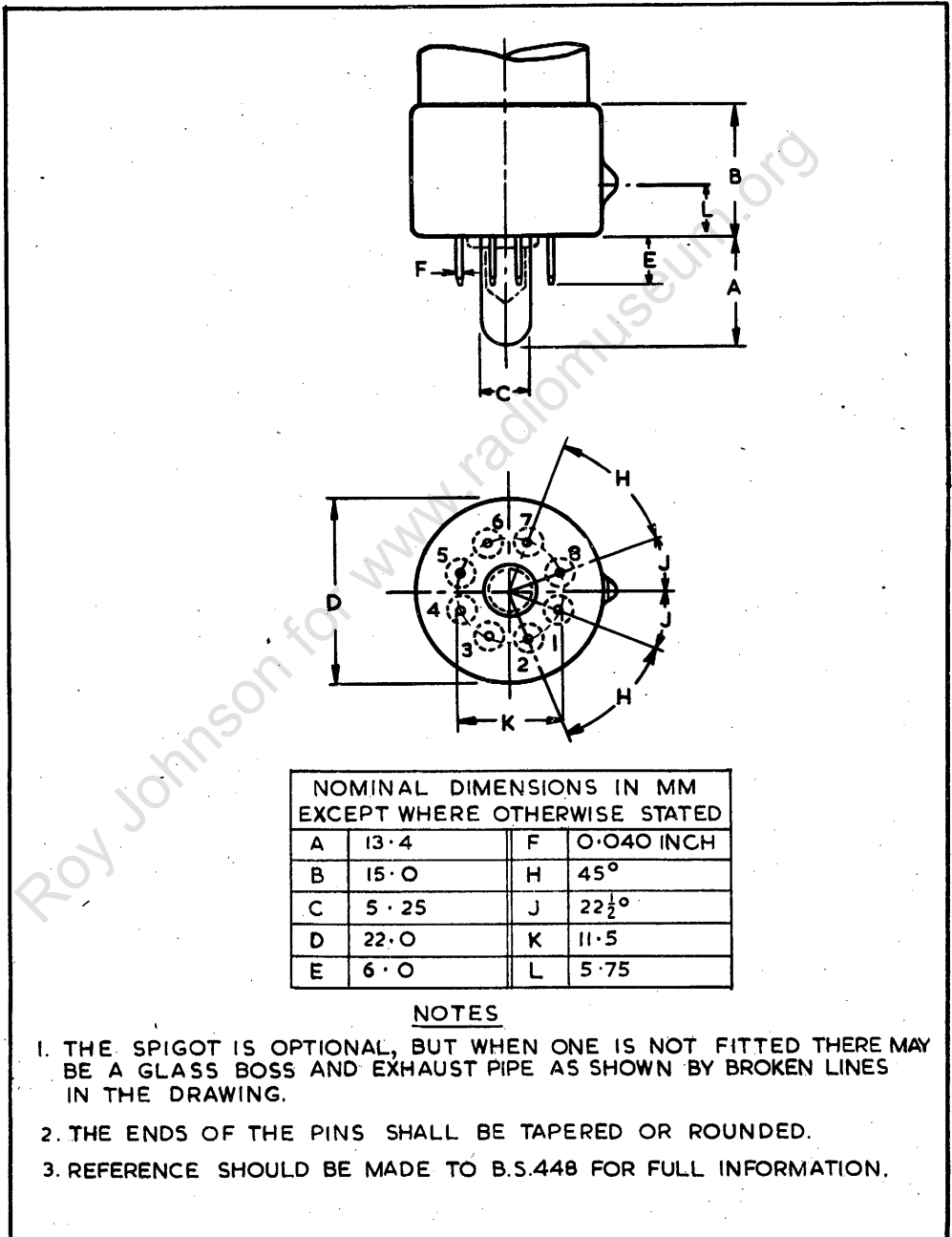
DRAWING NO 35
B5F BASE.
ILLUSTRATIVE.



NOMINAL DIMENSIONS IN MILLIMETRES EXCEPT WHERE OTHERWISE STATED			
A	31.75	G	16.0
B	17.0	H	0.2 MAX.
C	15.0 MAX.	J	30°
D	4.75	K	60°
E	7.375	L	90°
F	15.0		

NOTES

1. THE WAIST SHOWN ON THE PINS IS OPTIONAL AND SHOULD NOT BE USED FOR ANY LOCKING DEVICE.
2. THE DIMENSIONS FIXING THE POSITION OF THE PINS REFER TO THEIR FIXED ENDS.
3. THE ENDS OF THE PINS MAY BE ROUNDED OR TAPERED.
4. C IS THE OVERALL LENGTH OF THE EXHAUST TUBULATION.
5. FOR FULL INFORMATION SEE BS: 448.

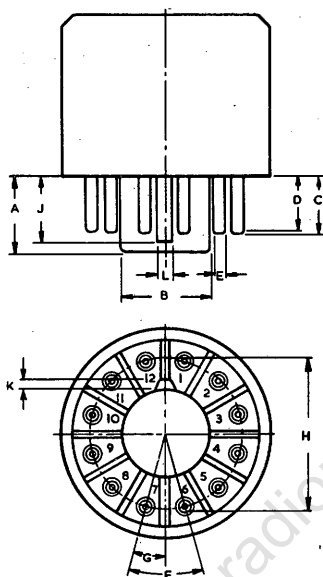
B8A BASE
ILLUSTRATIVE

NOMINAL DIMENSIONS IN MM EXCEPT WHERE OTHERWISE STATED			
A	13.4	F	0.040 INCH
B	15.0	H	45°
C	5.25	J	22½°
D	22.0	K	11.5
E	6.0	L	5.75

NOTES

1. THE SPIGOT IS OPTIONAL, BUT WHEN ONE IS NOT FITTED THERE MAY BE A GLASS BOSS AND EXHAUST PIPE AS SHOWN BY BROKEN LINES IN THE DRAWING.
2. THE ENDS OF THE PINS SHALL BE TAPERED OR ROUNDED.
3. REFERENCE SHOULD BE MADE TO B.S.448 FOR FULL INFORMATION.

B12A BASE.
ILLUSTRATIVE.



NOMINAL DIMENSIONS IN INCHES EXCEPT WHERE OTHERWISE STATED.			
A	0.530 MAX.	G	15°
B	0.616	H	1.063
C	0.410 MAX.	J	0.430 MIN
D	0.320 MIN.	K	0.070
E	0.093	L	0.155
F	30°		

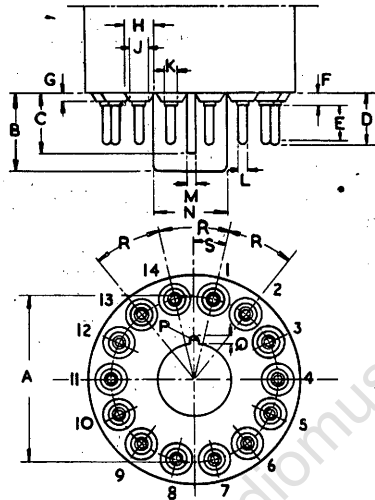
NOTES

NOTE 1. DIMENSION C MAY BE INCREASED BY 0.03 IN. MAXIMUM FOR SOLDER.

NOTE 2. THE DIMENSIONS FIXING THE POSITION OF THE PINS REFER TO THE FIXED END OF THE PIN. THE PIN DISPOSITION SHALL BE CHECKED BY MEANS OF THE GAUGE SHOWN IN FIG. B12A/12. (BS448)

NOTE 3. REFERENCE SHOULD BE MADE TO BS 448 FOR FULL INFORMATION.

DRAWING No 40
B14A BASE.
ILLUSTRATIVE.



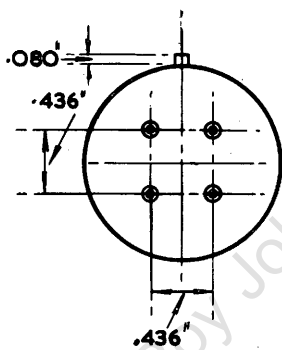
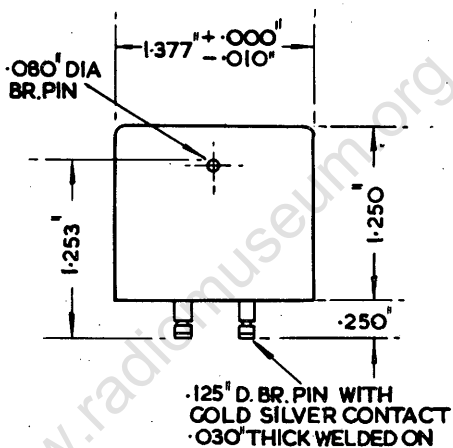
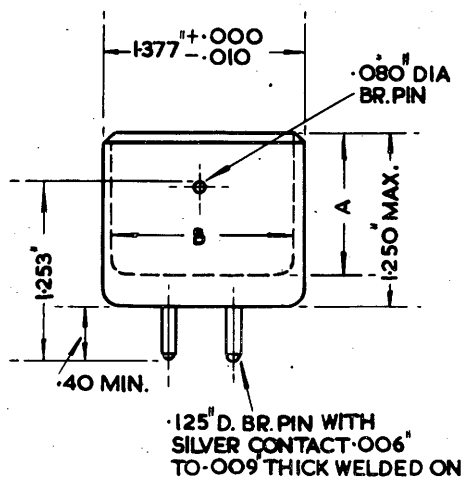
NOMINAL DIMENSIONS IN INCHES EXCEPT WHERE OTHERWISE STATED.			
A	1.750	K	0.135 MAX.
B	0.775 MAX.	L	0.093
C	0.610 MIN.	M	0.085
D	0.515 MAX.	N	0.752
E	0.340 MIN.	P	0.046 RAD.
F	0.120 MAX.	Q	0.078
G	0.110 MAX.	R	25 $\frac{5}{7}$ $^{\circ}$
H	0.320	S	12 $\frac{6}{7}$ $^{\circ}$
J	0.253 MAX.		

NOTES

1. DIMENSION D MAY BE INCREASED BY 0.03 IN. MAXIMUM FOR SOLDER.
2. THE DIMENSIONS FIXING THE POSITION OF THE PINS REFER TO THE FIXED END OF THE PIN AND ARE GIVEN FOR INFORMATION ONLY. THE PIN POSITION MAY BE CHECKED ONLY BY MEANS OF THE GAUGE SHOWN IN FIG B14A/1.2., B.S. 448.
3. THE DRAWING SHOWS THE NUMBERING OF THE PINS AS SEEN FROM THE FREE ENDS.
4. REFERENCE SHOULD BE MADE TO BS 448 FOR FULL INFORMATION.

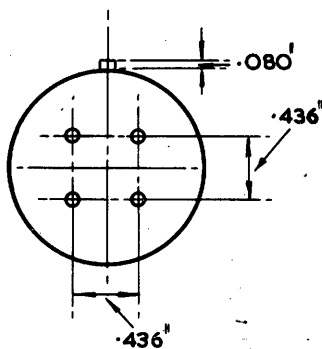
BC4 BASE

MANDATORY



INTERNAL DIMENSIONS A & B TO SUIT MANUFACTURERS REQUIREMENTS.

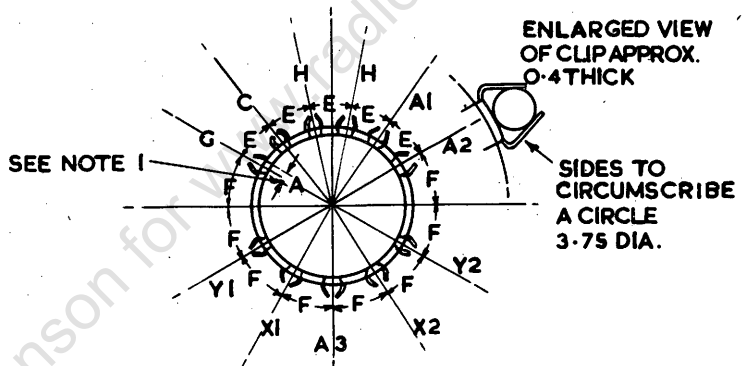
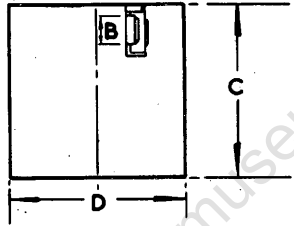
FIG. 1. MOULDED TYPE



MATERIAL: NI.P. BRASS CYLINDER WITH MOULDED INTERIOR.

FIG. 2. METAL SHELL TYPE

DRAWING No. 42.
CII BASE
MANDATORY



SLEEVE & END PLATE PAXOLIN "O" QUALITY 1.6 THICK

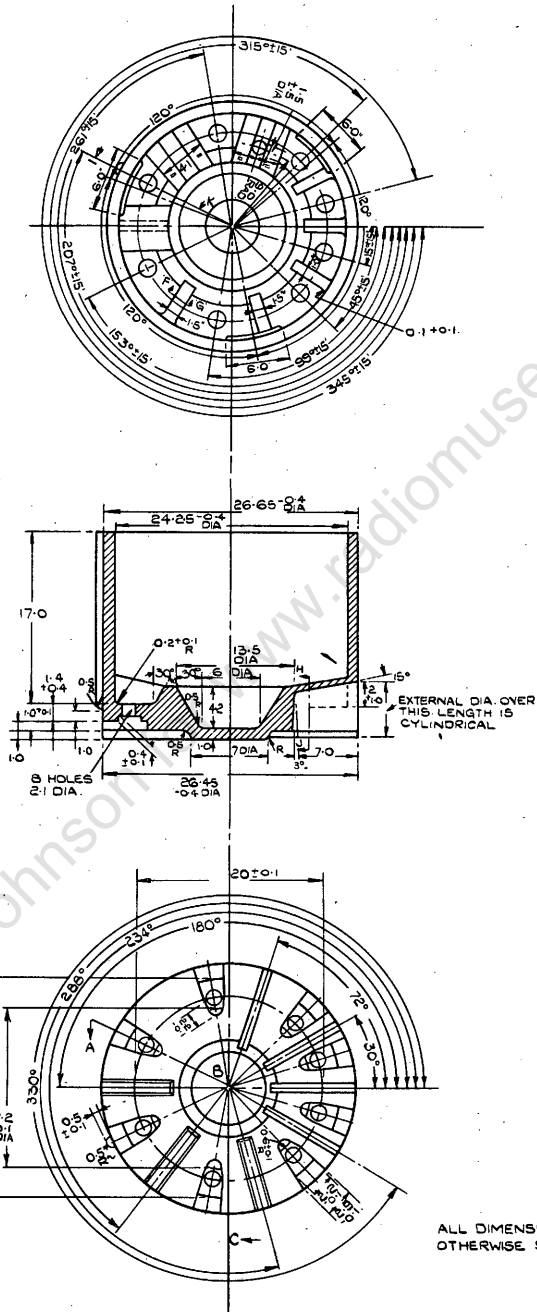
DIMENSIONS IN MMS. EXCEPT WHERE OTHERWISE STATED	A	B	C	D	E	F
	5.5	11.0	70.0	72.6	24°	30°
	±0.13	±0.2	±0.5	±0.3	±0.75	±0.75

NOTE

I. DIMENSION "A" REFERS TO THE SLOT IN THE PAXOLIN INTO WHICH THE CLIP IS FITTED.

DRAWING No. 43

SC8 BASE
MANDATORY

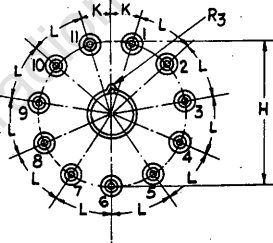
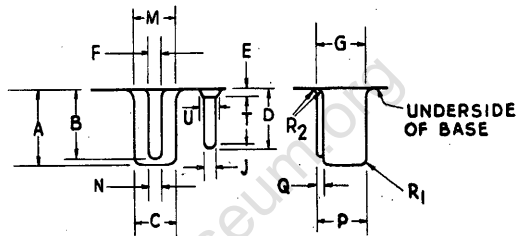


DRAWING NO. 45

MAGNAL BASE

MANDATORY

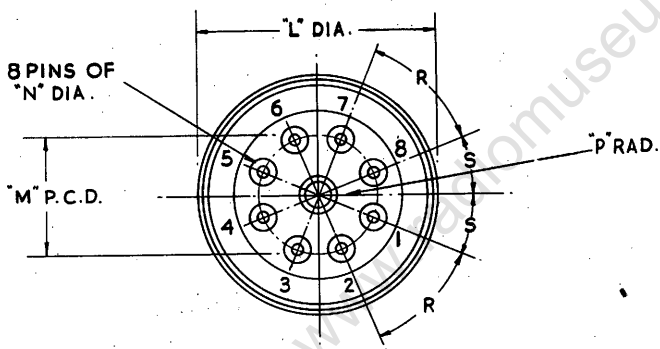
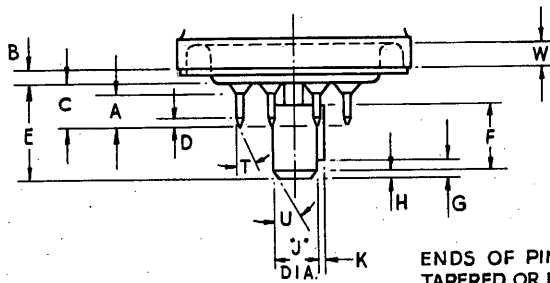
REF.	REFERENCE		
	MIN.	CENTER	MAX.
	IN.	IN.	IN.
A	.550	.560	.570
B	.490	.500	.510
C	.300	.308	.315
D	.427	.437	.447
E	—	—	.050
F	.085	.090	.095
G	.352	.362	.372
H	—	1.063	—
J	.090	.093	.096
K	—	16-4/11°	—
L	—	32-8/11°	—
M	.305	.312	.317
N	.075	.080	.085
P	.343	.353	.363
Q	.040	.047	.055
R ₁	—	.031	—
R ₂	—	—	.050
R ₃	—	.040	—
T	.340	—	—
U	—	—	.135



NOTES 1. DIMENSIONS FIXING THE CONTACT PIN POSITIONS REFER TO THEIR FIXED ENDS AND ARE GIVEN FOR INFORMATION ONLY. PIN POSITIONS MAY BE CHECKED ONLY BY MEANS OF ALIGNMENT GAUGE No. GB11-1 AS SPECIFIED IN RETMA STANDARD ET-106-C OF JUNE 1955.

- THE DRAWING SHOWS THE NUMBERING OF THE PINS AS SEEN FROM THEIR FREE ENDS.
- DIMENSION 'J' DOES NOT INCLUDE INCREASE IN PIN DIAMETER DUE TO SOLDER.
- DIMENSION 'D' MAY BE INCREASED BY .030" MAX. FOR SOLDER.
- ANY PROJECTION ON THE UNDER-SURFACE OF THE BASE OTHER THAN THESE SHOWN SUCH AS A RIM OR EXTERNAL BARRIERS, SHALL HAVE A HEIGHT NOT EXCEEDING .040".
- EXTRACTED FROM RETMA PUBLICATION ET-103-D OF MARCH 1955

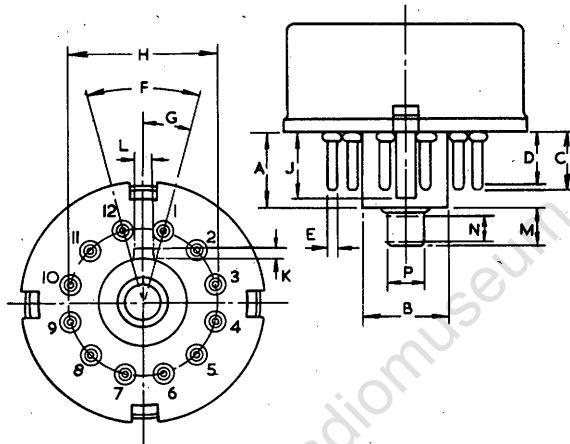
DRAWING No. 46
B8F BASE
MANDATORY



THE MILLIMETRE DIMENSIONS ARE DERIVED FROM THE ORIGINAL INCH DIMENSIONS

REF.	DIMENSIONS						NOTES	
	INCHES			DEGREES	MILLIMETRES.			
	MIN	NOM	MAX	NOM	MIN	NOM		MAX
A	0.187				4.75			
B		0.080				2.03		
C			0.250				6.35	
D		0.035				0.89		
E	0.514	0.534	0.554		13.10	13.55	14.05	
F	0.381	0.401	0.456		9.7	10.2	11.5	
G	0.068	0.088	0.108		1.75	2.25	2.70	
H		0.035				0.89		
J	0.255	0.260	0.265		6.48	6.60	6.73	
K			0.049				1.24	
L	1.417	1.425	1.433		36.00	36.20	36.38	
M	0.680	0.687	0.694		17.28	17.45	17.62	
N	0.045	0.050	0.053		1.15	1.27	1.34	
P			0.043				1.09	
R				45				
S				22.5				
T				22.5				
U				30				
W	0.187				4.75			

DRAWING No. 47
B12E BASE
MANDATORY



THE MILLIMETRE DIMENSIONS ARE DERIVED FROM THE ORIGINAL INCH DIMENSIONS.

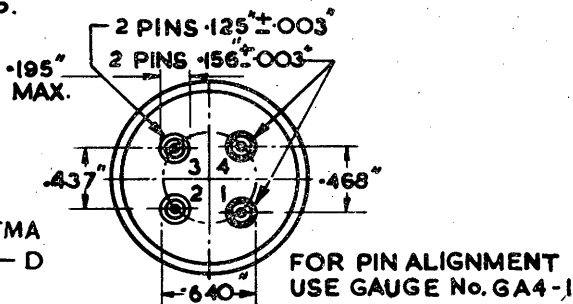
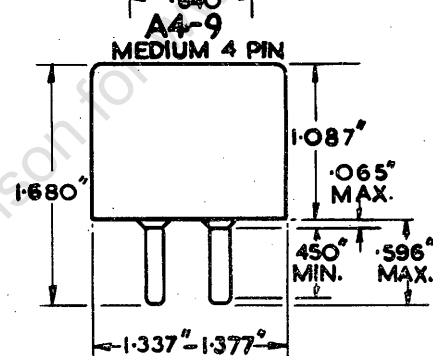
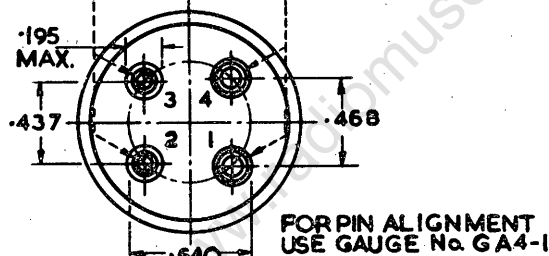
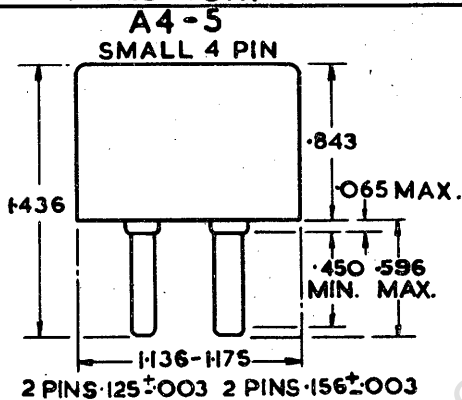
REF.	DIMENSIONS							NOTES
	INCHES			DEGREE S	MILLI METRES			
	MIN	NOM	MAX	NOM	MIN	NOM	MAX	
A			0.530				13.46	
B	0.598	0.616	0.635		15.19	15.65	16.1	4
C			0.410				10.4	1
D	0.320				8.13			
E	0.090	0.093	0.096		2.29	2.36	2.43	
F				30				2
G				15				2
H		1.063				2.70		
J	0.430				10.95			
K	0.065	0.070	0.075		1.66	1.78	1.90	
L	0.145	0.155	0.165		3.70	3.94	4.18	4
M	0.240	0.256	0.270		6.10	6.50	6.85	
N	0.200				5.10			6
P	0.245	0.250	0.255		6.23	6.35	6.47	

NOTES

1. DIMENSION C MAY BE INCREASED BY 0.03 IN. (0.076MM.) MAXIMUM FOR SOLDER.
2. THE DIMENSIONS FIXING THE POSITION OF THE PINS REFER TO THE FIXED END OF THE PIN AND ARE GIVEN FOR INFORMATION ONLY. THE PIN POSITION MAY BE CHECKED ONLY BY MEANS OF THE GAUGE IN B.S. 448, FIG. B12A/1.2
3. DRAWING SHOWS THE NUMBERING OF THE PINS AS SEEN FROM THE FREE ENDS.
4. THE SPIGOT & KEY MAY BE TAPERED WITHIN THE LIMITS QUOTED.
5. THE RADIUS OF CORNERS, IF ROUNDED SHALL NOT EXCEED 0.020 IN. (0.5 MM.)
6. CONTACT LENGTH.

DRAWING No. 48

DRAWINGS OF AMERICAN A4-5 & A4-9 MANDATORY



FOR DETAILS OF GAUGES
SEE RETMA STANDARD
ET-106-C OF JUNE 1955.

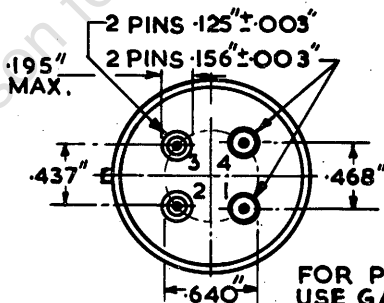
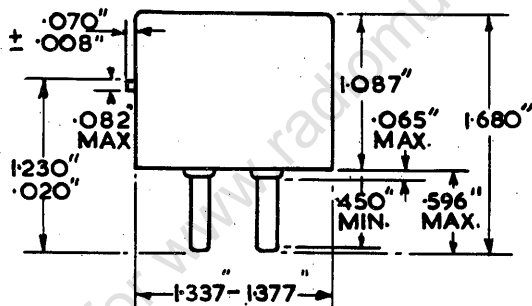
EXTRACTED FROM RETMA
STANDARD ET-103-D
OF MARCH 1955.

DRAWING No. 49

DRAWING FOR AMERICAN A 4 - 10 MANDATORY

A4-10

MEDIUM 4-PIN BAYONET



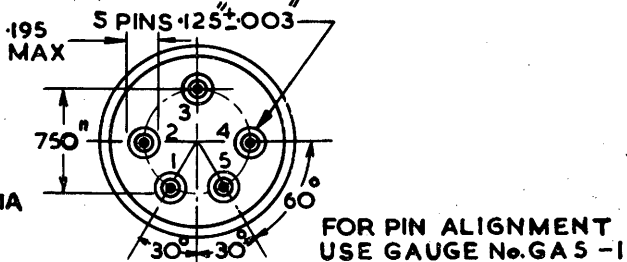
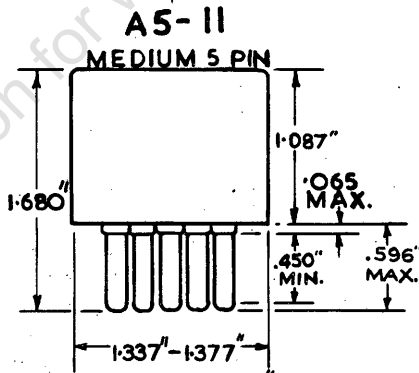
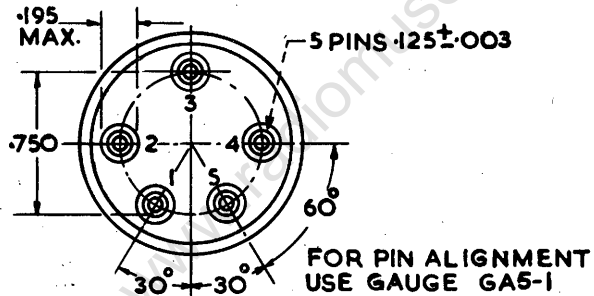
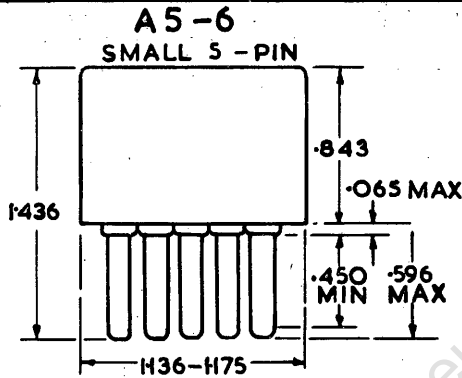
FOR PIN ALIGNMENT
USE GAUGE No GA4-1.

EXTRACTED FROM RETMA
STANDARD ET - 103 - D
OF MARCH 1955.

FOR DETAILS OF GAUGES
SEE RETMA STANDARD
ET-106-C OF JUNE 1955.

DRAWING No. 50 APPENDIX IV

DRAWINGS FOR AMERICAN A5-6 & A5-II MANDATORY

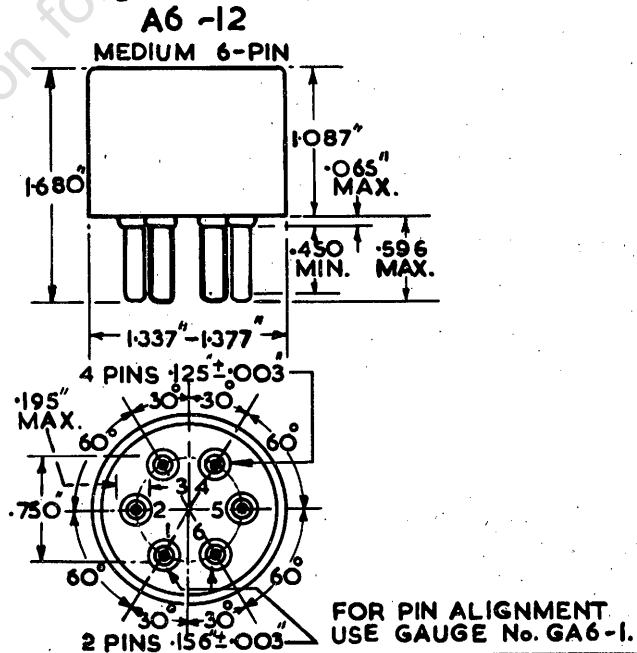
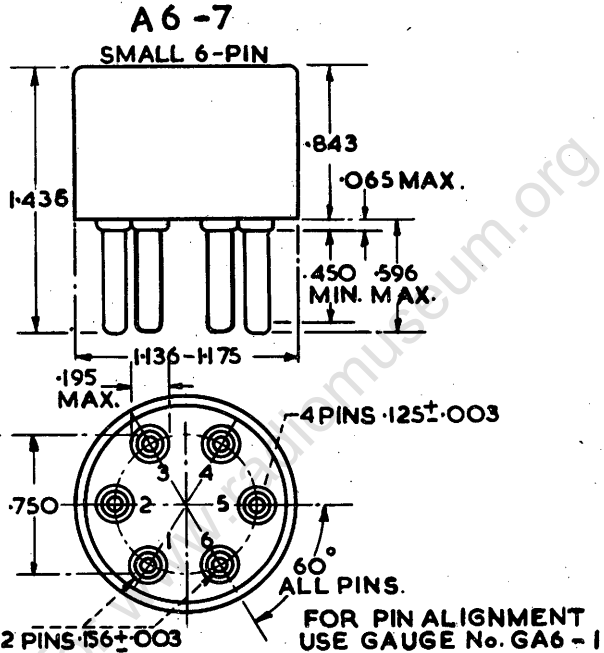


FOR DETAILS OF GAUGES
SEE RETMA STANDARD
ET-106-C OF JUNE 1955.

EXTRACTED FROM RETMA
STANDARD ET-103-D
OF MARCH 1955.

DRAWING No. 51

DRAWINGS FOR AMERICAN A6-7 & A6-12 MANDATORY

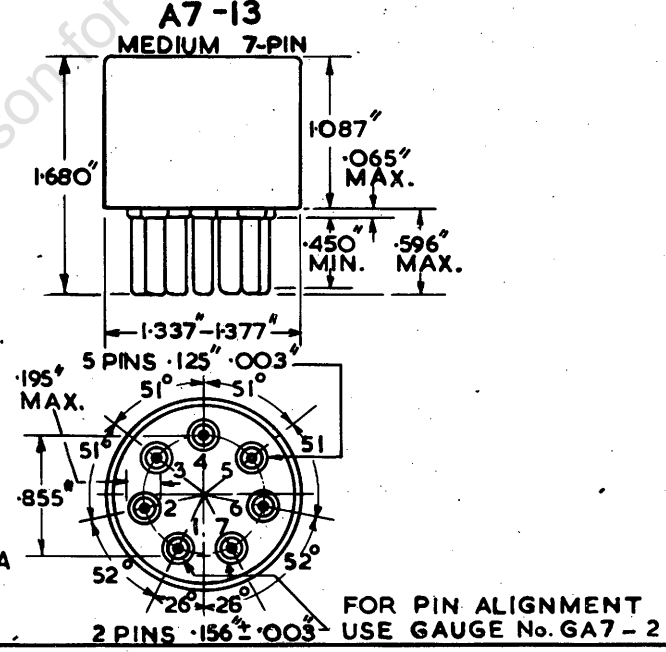
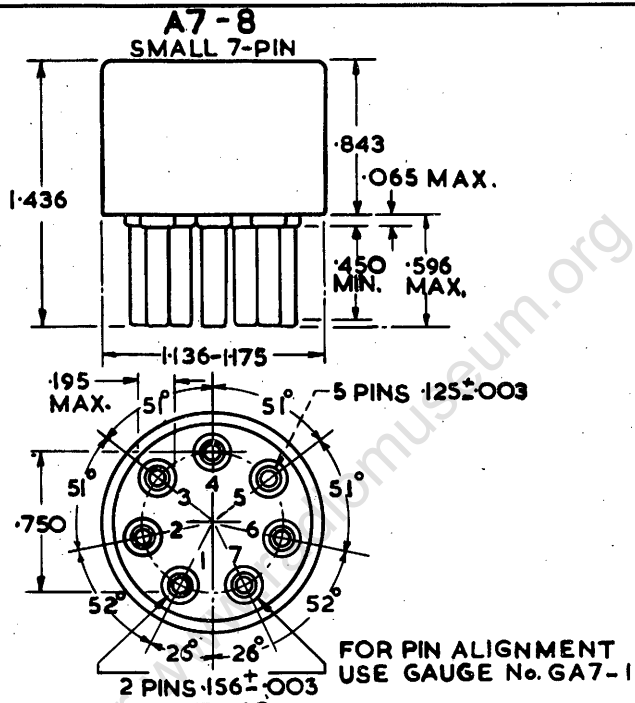


FOR DETAILS OF GAUGES
SEE RETMA STANDARD
ET-106-C OF JUNE 1955

EXTRACTED FROM RETMA
STANDARD ET-103-D
OF MARCH 1955.

DRAWING No. 52

DRAWINGS FOR AMERICAN A7-8 & A7-13 MANDATORY



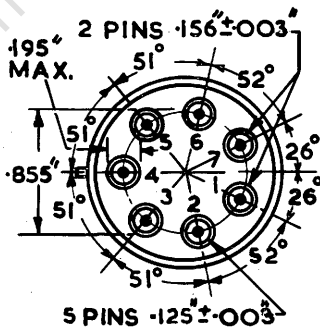
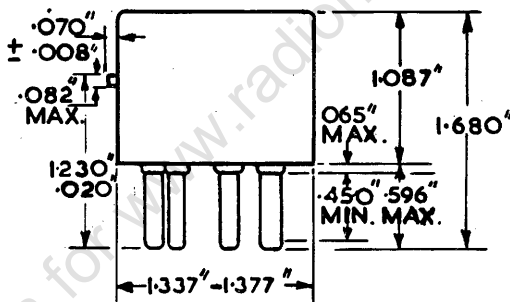
FOR DETAILS OF GAUGES
SEE RETMA STANDARD
ET-106-C OF JUNE 1955.

EXTRACTED FROM RETMA
STANDARD ET-103-D
OF MARCH 1955

DRAWING No. 53 APPENDIX IV
DRAWING FOR AMERICAN A7 - 14
MANDATORY

A7-14

MEDIUM 7 PIN BAYONET



FOR PIN ALIGNMENT
USE GAUGE No GA7-2

EXTRACTED FROM RETMA
STANDARD ET - 103 - D
OF MARCH 1955.

FOR DETAILS OF GAUGES SEE
RETMA STANDARD ET - 106 - C
OF JUNE 1955.