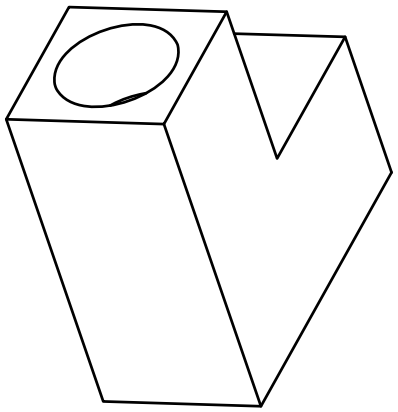


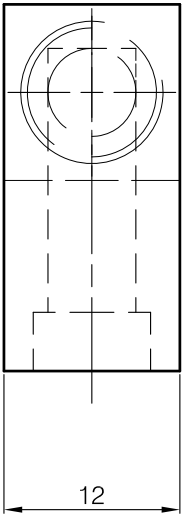
6	cooling tube	as reqd.	copper	1	
5	thermal switch holder	ATDMS-QPOLE-MCP-00-01-004	---		
4	cooling plate	ATDMS-QPOLE-MCP-00-01-003	---		
3	electrical connector	ATDMS-QPOLE-MCP-00-01-002	---		
2	water header	ATDMS-QPOLE-MCP-00-01-001	---		
1	water connector	push in connector legrls part no 3801_08_10_01	std.	2	

SR.	PART NAME	RAW MATL. SIZE / DRG. NO.	MATL.	QTY./SET	REMARKS
GOVERNMENT OF INDIA DEPARTMENT OF ATOMIC ENERGY <b>VARIABLE ENERGY CYCLOTRON CENTRE</b> BIDHAN NAGAR, KOLKATA - 700 064					
DRG. NAME :- COIL ASS'Y					SCALE 1:1.5
ASSEMBLY :- MCP QUADRUPOLE ASS'Y					SHEET 1 OF 1
OLD REF. DRG.	GENERAL TOLERANCE UNLESS OTHERWISE SPECIFIED SHOULD CONFORM TO IS 2102 (V2:FINE CLASS) FOR MACHINED WORK DIMENSIONS.			DRN. BY	S.PATRA
	DATE 03.06.2021			CHKD :	---
	DESIGN :			DRG. NO. :	REV. :
	A2-ATDMS-QPOLE-MCP-00-01				0

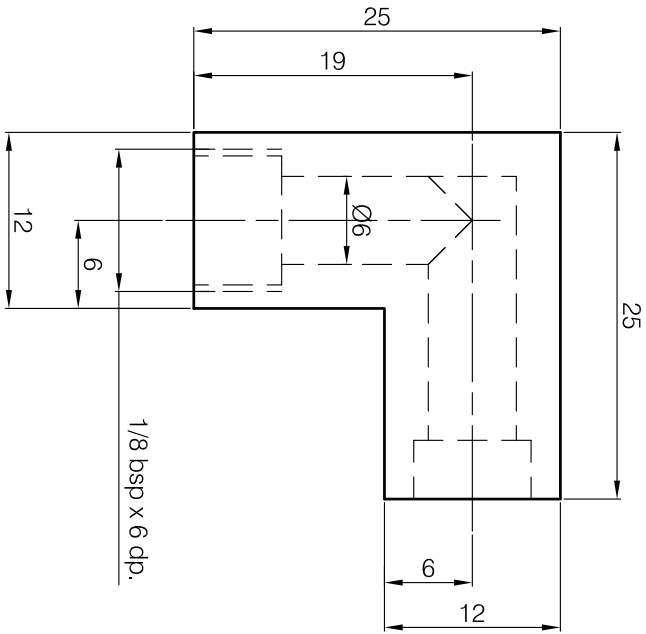
General tol. on cast dimensions: +/-1.5 mm



ISOMETRIC VIEW

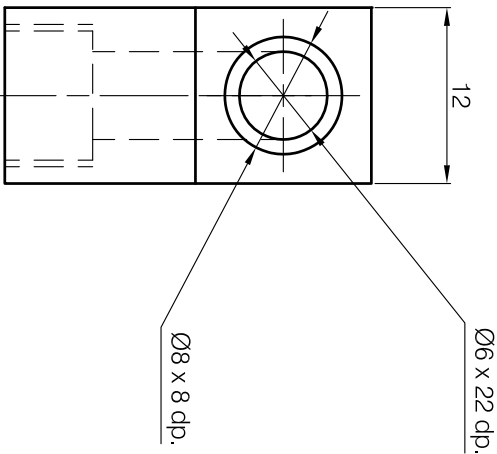


top view



1/8 bsp x 6 dp.

front view



side view

SR.	WATER HEADER	PHOSPHOR BRONZE	2	REMARKS
PART NAME	RAW MATL. SIZE / DRG. NO.	MATL.	QTY./SET	

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
BIDRIAN MANGAL KOLKATA-700 094

DRG. NAME: WATER HEADER  
ASSEMBLY: COIL ASSY

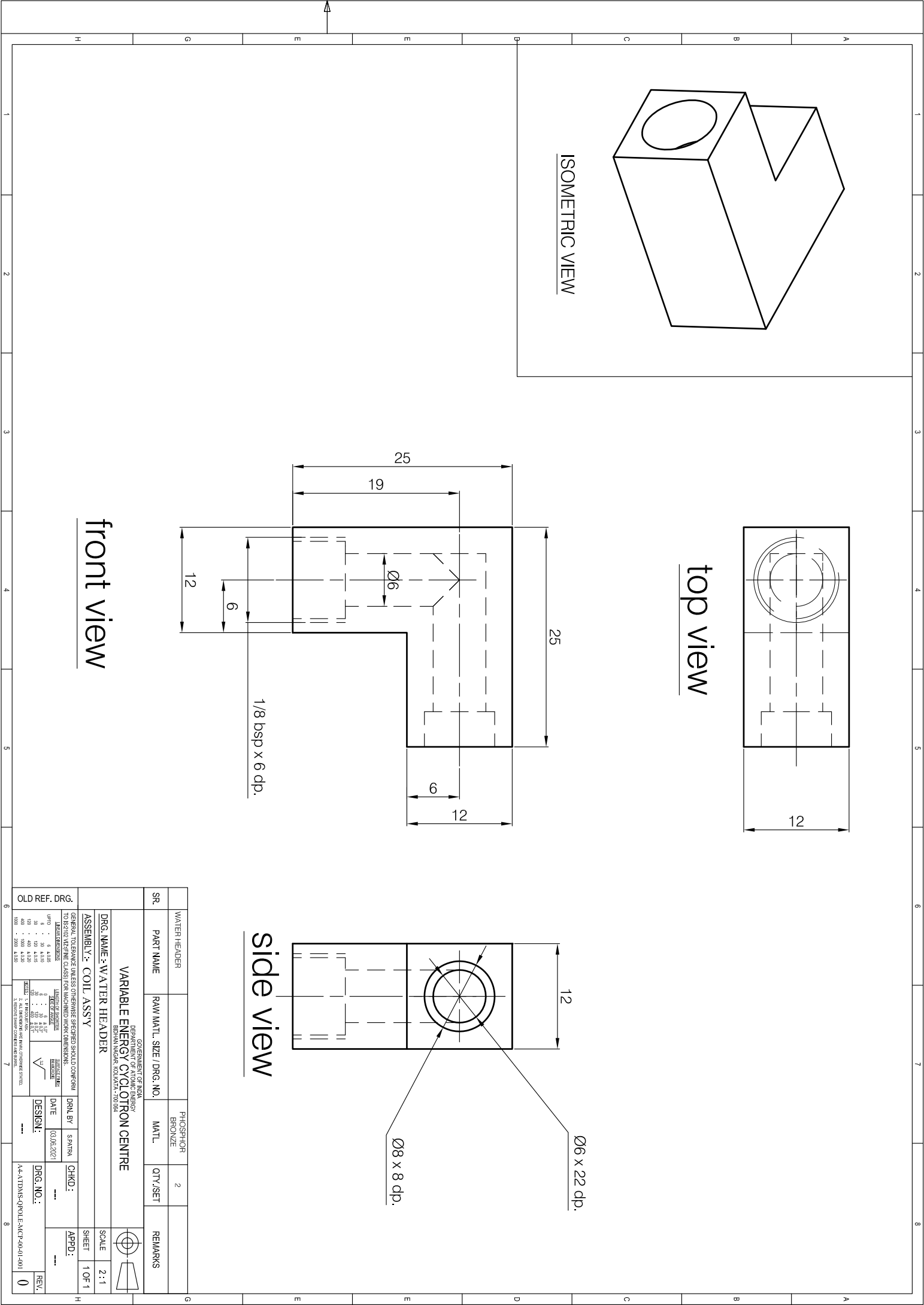
SCALE: 2:1  
SHEET: 1 OF 1

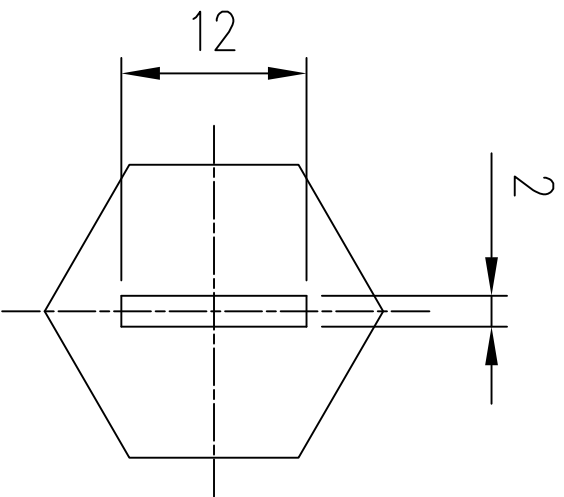
DRG. NO.:  
CHKD.:  
APPD.:

DESIGN:  
DATE: 03.06.2021

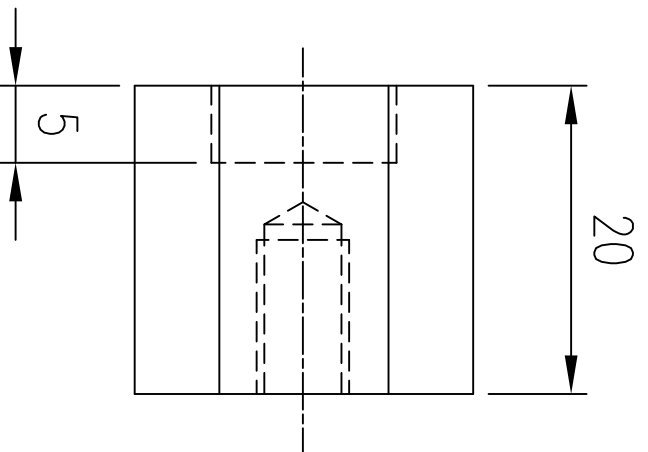
REV. 0

OLD REF. DRG.

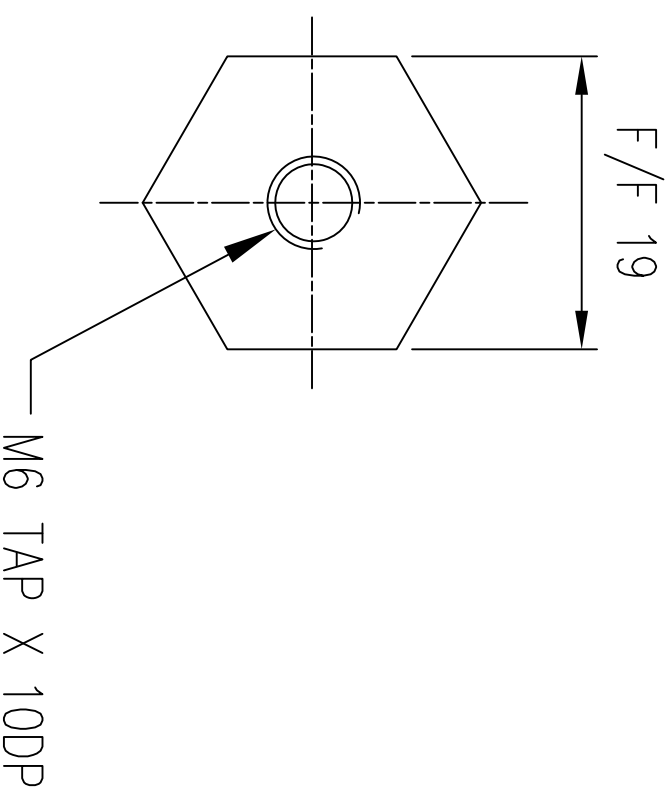




L.H.S. VIEW

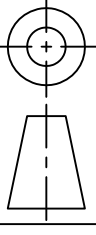


FRONT VIEW



R.H.S. VIEW

S.R.	PART NAME	MATL. SIZE / DRG. NO.	MATL.	QTY.	WT.(KG.)	REMARKS
	ELECTRICAL CONNECTOR		BRASS	2		
<p>GOVERNMENT OF INDIA DEPARTMENT OF ATOMIC ENERGY BHIDHAN NAGAR, KOLKATA - 700 064</p> <p><b>VARIABLE ENERGY CYCLOTRON CENTRE</b></p>						
DRG. NAME :		ELECTRICAL CONNECTOR		SCALE		2:1
ASSEMBLY [Z] :		COIL ASSEMBLY		SHEET :		01
				APPD. :		A3
TOTAL WEIGHT						



GENERAL TOLERANCE UNLESS OTHERWISE SPECIFIED SHOULD CONFORM TO IS:2102 VIZ: (FINE CLASS) FOR MACHINED WORK DIMENSIONS:			
LINEAR DIMENSIONS	LENGTH OF SHORTER SIDE OF ANGLE	SURFACE FINISH IN MICRONS	CHAMFER : 0.5 x 45°
UP TO - 6 ±0.05	6 - 30 ± 0.30°	0.8	
6 - 30 ±0.1	30 - 120 ± 0.20°		
30 - 120 ±0.15	120 - 400 ± 0.10°		
120 - 400 ±0.2			
400 - 1000 ±0.3			
1000 - 2000 ±0.5			

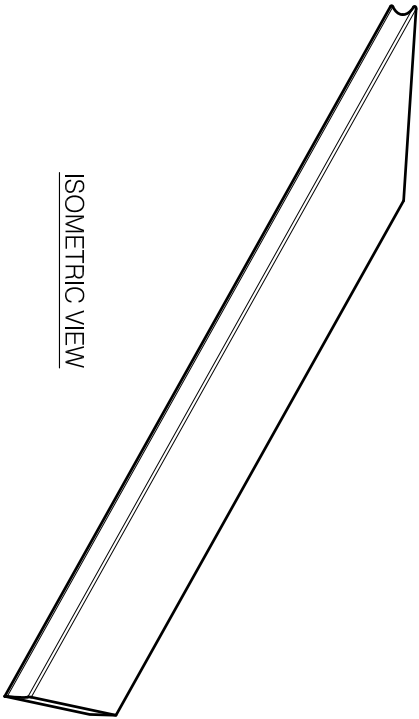
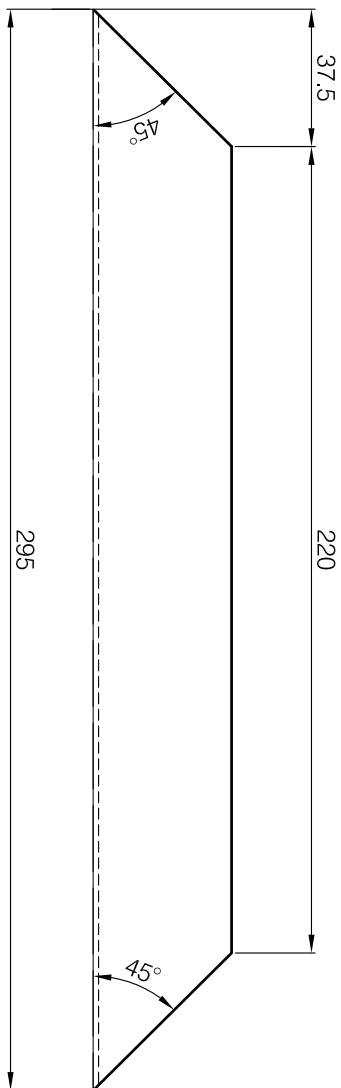
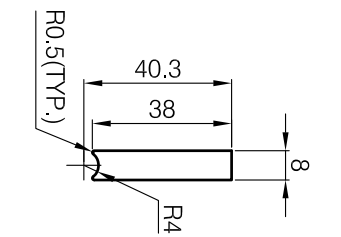
DRN. BY	S.GAYEN	CHKD. :	C.NANDI	APPD. :	
DATE	04.06.2021	DRG. NO. :	A3/ATDMS/QPOLE/MCP-00-01-02	REV.	0
DESIGN :	C.NANDI				

1 2 3 4 5 6 7 8

A B C D E F

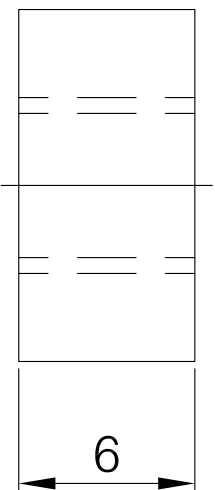
1 2 3 4 5 6 7 8

A B C D E F

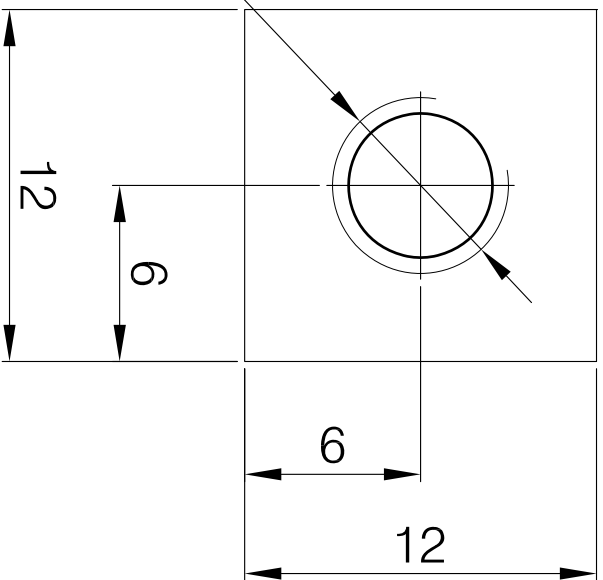


ISOMETRIC VIEW

SR.	COOLING PLATE	COPPER(ETP)	2	REMARKS
PART NAME	RAW MATL. SIZE / DRG. NO.	MATL.	QTY./SET	
GOVERNMENT OF INDIA DEPARTMENT OF ATOMIC ENERGY BIDRAN NAGAR, KOVVA-770 094				
<b>VARIABLE ENERGY CYCLOTRON CENTRE</b>				
DRG. NAME :- COOLING PLATE				
ASSEMBLY :- COIL ASSY				
OLD REF. DRG.	GENERAL TOLERANCE UNLESS OTHERWISE SPECIFIED SHOULD CONFORM TO IS:2003 UNLESS CLASSIFIED FOR MACHINED WORK DIMENSIONS.			
	TABLE DIMENSIONS UNFO : 6 A.005 6 : 30 A.010 30 : 150 A.015 150 : 400 A.020 400 : 800 A.030 800 : 2000 A.035	SURFACE FINISH UNFO : 3.2 A.010 6 : 1.6 A.015 30 : 0.8 A.020 150 : 0.4 A.025 400 : 0.2 A.030 800 : 0.15 A.035	DIMENSIONAL TOLERANCES UNFO : 0.15 A.010 6 : 0.10 A.015 30 : 0.075 A.020 150 : 0.05 A.025 400 : 0.035 A.030 800 : 0.025 A.035	DATE : 03.06.2021 DESIGN : DRG. NO. : SHEET : 1 OF 1 APPD. : REV. : 0
	DRN. BY : S.PATRA DATE : 03.06.2021		CHKD. : SHEET : 1 OF 1 APPD. :	SCALE : 1:1.5 SHEET : 1 OF 1 APPD. :
	ALP-ATDMS-QDLE-ACV-00-01-003			



top view



front view

M4 TAP THRU

12

6

6

12

SR.	PART NAME	RAW MATL. SIZE / DRG. NO.	MATL.	QTY./SET	REMARKS
	THERMAL SWITCH HOLDER		COPPER	1	
<b>VARIABLE ENERGY CYCLOTRON CENTRE</b> <small>GOVERNMENT OF INDIA  DEPARTMENT OF ATOMIC ENERGY  BIDRIAN NAGAR, KOLKATA-700 094</small>					
DRG. NAME : THERMAL SWITCH HOLDER					
ASSEMBLY : COIL ASSY					
GENERAL TOLERANCE UNLESS OTHERWISE SPECIFIED SHOULD CONFORM TO BS2025 METRIC CLASS FOR MACHINED WORK DIMENSIONS.					
TYPICAL DIMENSIONS		TOLERANCE SYSTEM		FINISH	
mm	in	mm	in	mm	in
0	0	0	0	0	0
0.05	0.002	0.05	0.002	0.05	0.002
0.1	0.004	0.1	0.004	0.1	0.004
0.2	0.008	0.2	0.008	0.2	0.008
0.5	0.020	0.5	0.020	0.5	0.020
1.0	0.040	1.0	0.040	1.0	0.040
2.0	0.080	2.0	0.080	2.0	0.080
5.0	0.200	5.0	0.200	5.0	0.200
10.0	0.400	10.0	0.400	10.0	0.400
20.0	0.800	20.0	0.800	20.0	0.800
50.0	2.000	50.0	2.000	50.0	2.000
100.0	4.000	100.0	4.000	100.0	4.000
200.0	8.000	200.0	8.000	200.0	8.000
500.0	20.000	500.0	20.000	500.0	20.000
1000.0	40.000	1000.0	40.000	1000.0	40.000
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.					
2. ALL DIMENSIONS ARE TO BE TAKEN FROM THE SURFACE UNLESS OTHERWISE SPECIFIED.					
3. SURFACE FINISH TO BE AS SPECIFIED IN THE DRAWING.					
DATE			DRN. BY	CHKD.:	SCALE
03.06.2021			S.PATRA	---	2:1
DESIGN:			DRG. NO.:	SHEET	APPD.:
---			---	1 OF 1	---
REV.					REV.
---					0

OLD REF. DRG.

UPRO . . . 6 4.005  
0 . . . 30 4.010  
30 . . . 100 4.015  
150 . . . 400 4.020  
400 . . . 800 4.030  
800 . . . 1000 4.035

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.  
2. ALL DIMENSIONS ARE TO BE TAKEN FROM THE SURFACE UNLESS OTHERWISE SPECIFIED.  
3. SURFACE FINISH TO BE AS SPECIFIED IN THE DRAWING.

DATE 03.06.2021  
DRN. BY S.PATRA  
CHKD. : ---  
DESIGN : ---  
DRG. NO. : ---  
SHEET 1 OF 1  
APPD. : ---

SCALE 2:1

REV. 0

44-ATTN:SP/ROLE-M/CP-00/01-004