

(B)

PLOT SCALE: 2=1.0

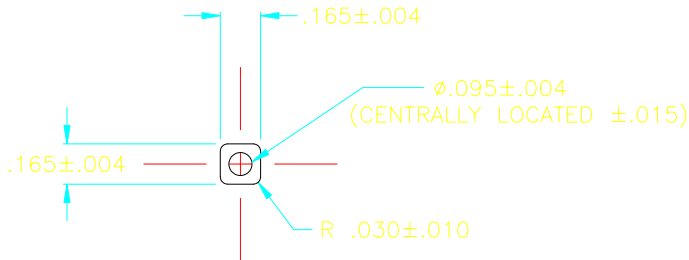
DWG. SCALE: .5

A1435701

NOTES:

1. MATERIAL SHALL BE OXYGEN-FREE COPPER IN ACCORDANCE WITH COPPER DEVELOPMENT ASSOCIATION (CDA) ALLOY NO. 102. FINISHED EXTRUSIONS SHALL BE DEAD SOFT ANNEALED TEMPER (ROCKWELL F-45 MAX), AND IN FULL COMPLIANCE WITH B-188-88.
2. THE SURFACE CONDITION OF THE EXTRUDED CONDUCTOR SHALL BE FREE OF BURRS, SLIVERS, OR SIMILAR CONDITIONS WHICH COULD DAMAGE OR PENETRATE INSULATION.
3. OUTER SURFACE AND INTERNAL COOLANT PASSAGE HOLE SHALL BE FREE OF OIL FILM, FOREIGN MATERIAL, SCALE AND COPPER CHIPS.
4. CONDUCTOR SHALL BE COILED FOR SHIPMENT ON SPOOLS OF SUFFICIENT INSIDE DIAMETER TO AVOID EXCESSIVE BENDING OR OTHER WORKING PRIOR TO SHIPMENT.
5. CONDUCTOR SHALL BE SHIPPED IN FULLY ENCLOSED CONTAINERS. INSIDE DIA. 34" MIN. PANCAKE WOUND WITH THE LONGER SIDE PARALLEL TO THE AXIS OF ROTATION (EASYWAY).
6. ESTIMATED WEIGHT. 0.0746 LBS. PER FT.

01



ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY	
PARTS LIST					
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES		LOG NUMBER A1435701	THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY		
TOLERANCES		<small>ARGONNE NATIONAL LABORATORY UNIVERSITY OF CHICAGO</small>	TITLE ADVANCED PHOTON SOURCE INJECTOR SYNCHROTRON AC THICK EXTRACTION MAGNET COIL ASSEMBLY COPPER CONDUCTOR		
DECIMALS	ANGULAR				
.X ±.1	±.25°				
.XX ±.02					
.XXX ±.005		DRAWN BY McCONOLOGUE	DATE 11/18/93	GP LEADER J. JAGGER	DATE 11/93
SURFACE ROUGHNESS 125 ✓		CHECKED BY S. REEVES	11/93	PROJECT MGR	
REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX.		DESIGNER McCONOLOGUE	11/93	APPROVED/RELEASED	
SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1		RESPONSIBLE ENGINEER S. REEVES	11/93		
DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5		MATERIAL	SCALE 2=1	SIZE B	DRAWING NUMBER
01	SEE DCN NO. 961204-3	CRP	12/04/96		220107-750001-01
SYM	CHANGE DESCRIPTION	BY	CHKD	DATE	
REVISIONS					
DO NOT SCALE DRAWING		NOTED	SHEET 1 of 1		