

SHAFT ROTATION BETWEEN STOPS
180° MIN., 183° MAX.

.1875 ± .0005 DIA.
REAM (2 REQ'D)

STAINLESS
STEEL SHAFT
EXTENSIONS,
BOTH ENDS

3/16 DIA. (2 REQ'D)

8-32 HOLES
TAP (4 REQ'D)
BOTH ENDS

X-INSULATED ROTOR CONTACTS

CENTER SHAFT
SUPPORT

FRONT

SERIES :		ROTATION (TO INCREASE CAPACITY)		STATOR INSULATION									
NO. OF SECTIONS: 4		CLOCKWISE COUNTERCLOCKWISE ✓		BAKELITE CERAMIC ✓ OTHER									
TYPE & DISPOSITION OF PLATES													
SECTION	UNIT	ROTOR PLATES QUANTITY	MAT'L.	STATOR PLATES QUANTITY	MAT'L.	TYPE	AIR GAP	MAX. CAPACITY	TEST PRINTS	TOL.	TRIMMERS	LONG SIDE	SHORT SIDE
1	A	3		2		SLC	.0235				NONE	NONE	
	B	5		4		SLC	"				"	"	
2	A	3		2		SLC	"				"	"	
	B	5		4		SLC	"				"	"	
3	A	3		2		SLC	"				"	"	
	B	5		4		SLC	"				"	"	
4	A	3		2		SLC	"				"	"	
	B	5		4		SLC	"				"	"	
ROTOR SHAFT		MATERIAL: CERAMIC		FINISH: -		LENGTH (FROM FACE OF FRONT END PLATE): AS SHOWN		DIAMETER: AS SHOWN					
FINISH		FRAME ASSY. CAD. PLATE		ROTOR ASSY. -		STATOR ASSY. -		WIPERS		MATERIAL: BERYL. COP. FINISH: SIL. PLT. POSITION: AS SHOWN			
MOUNTING (USE OPPOSITE SIDE FOR SKETCH)						END PLATE (HIGH OR LOW & HOLE SIZE)						HIGH END PLATES AS SHOWN	
CCW ROTATION		EFFECTIVE CAP. IN MMF.		MATCHING TOLERANCE IN MMF.		EFFECTIVE CAP. IN MMF.							
IN %		SECT. 1A SECT. 1B		SECT'S 2A, 3A, 4A SECT'S 2B, 3B, 4B		SECT. SECT.							
9°		0.0 - 0.0 -											
25		13.03 ± 1% 26.05 ± 1%		1.0 ± 1/2%		1.0 ± 1/2%							
90°		50 26.06 " 52.01 "		" " " "		" "							
75		39.09 " 78.15 "		" " " "		" "							
171°		95 52.12 " 104.20 "		" " " "		" "							
MIN. AT 9°		MIN. AT 0		8.5 or LESS 11.5 or LESS		8.5 or LESS 11.5 or LESS							

NOTES:
1. TORQUE OF SHAFT TO HAVE A MINIMUM OF 3 INCH OZ.
AND A MAXIMUM OF 6 INCH OZ.
2. ROTOR CONTACTS PRESSURE TO BE NOT LESS THAN
30 GRAMS AT POINTS OF CONTACT.

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SYM	ZONE	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
B	C2	NOTE 2 ADDED	10-4-62	02-01			
A	C2	NOTE ADDED	10-4-62	02-04			

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± 1/64
DECIMALS ± .005
ANGLES ± 1/2°

SCALE
MAXIMUM ALLOWABLE TOLERANCES HAVE
BEEN DETERMINED AND ANY DEVIATIONS
WILL BE CAUSE FOR REJECTION.
REMOVE ALL BURRS & SHARP EDGES

REQ. PER UNIT	MODEL	SECTION	ASSY. NO.	DATE
1	HFR-1			1-12-62

REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
		ANGER	
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK			
CAPACITOR, RF TUNING			
MATERIAL			
DRAWN: J. ANGER CHECKED: [Signature] FINAL APPROVAL: [Signature]			
TYPE & TEMPER		HEAT TREAT. SPEC.	
J. ANGER		CB-163	
FINISH & SPEC. NO.			
ELEC. DES. APP.		MECH. DES. APP.	
SHEET		OF	

CB-163 B