

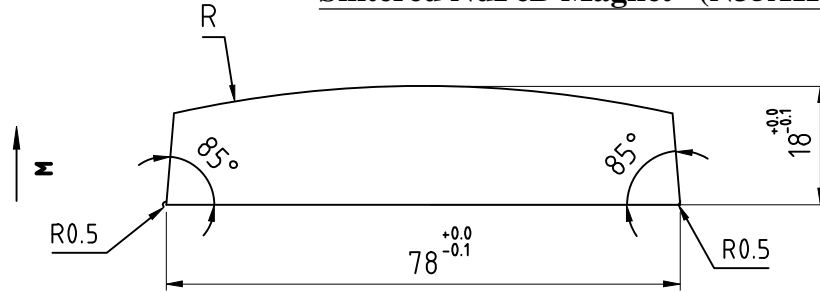
FIRST ANGLE PROJECTION

ALL DIMENSIONS ARE IN mm.

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REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED
		CHECKED			CHECKED			CHECKED
		APPROVED			APPROVED			APPROVED

Sintered NdFeB Magnet (N35AH Grade)



Length = 52.5^{+0.0}_{-0.1} mm

Technical details for NdFeB Magnets

Quantity- 100 Nos.

(N35AH grade)

Variants

- | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| 1. Br = 11.7 to 12.1 kG. | For Variant 1 Radius R = 174.0 mm |
| 2. Hc = 10.8 to 11.6 kOe. | Variant 2 Radius R = 181.5 mm |
| 3. Hci = ≥ 33.0 kOe. | |
| 4. BHmax = 33-35 MGOe | |
| 5. Temperature grade = 230°C. | |
| 6. Temperature coefficient of Br = -0.11 to -0.12 % / deg C. | |
| 7. Nickel Coating to be provided, to prevent corrosion of magnet. | |
| 8. Magnetization/orientation along 18 mm thick direction. | |
| 9. Magnets to be supplied in magnetized condition. 49 Magnets to be magnetized in N-S direction & 49 Magnets in S-N direction. Two (02 no.s) Magnets to be supplied in un-magnetized condition taken from the different manufacturing lots. | |
| 10. Original Test certificate from the manufacturer showing magnet specifications and grade is to be furnished at the time of supply. | |
| 11. Warranty/Guarantee certificate for one year should be provided by the supplier. | |
| 12. All corners are to be rounded off. (R 0.5 mm). | |

EITHER VARIANT 1 OR 2 ONLY WILL BE PROCURED

COMPUTER NO.
REF. DRG. NO.
SIGN. & DATE
INVENTORY NO.

DESCRIPTION & DRG.NO.	VAR NO.	RAW MATERIAL SIZE OR CASTING DRG.NO. OR FORGING DRG.NO.	MATL. CODE	NET.WT.	GROSS WT	
			MATL. SPECN.	QTY.		
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		PMSM - 285				
<p>BHARAT HEAVY ELECTRICALS LIMITED Corp. R&D Division. Vikasnagar HYDERABAD - 500 093</p>	DRN.	GVN			NO.OF VAR.	
	CKD.	GVN				
	APPD.	SKR				
DEPT. PMM		SCALE NTS	WEIGHT(K.G.)	REF.TO ASSY.DRG.	ITEM NO.	NO.OF ITEM
CODE 27						
TITLE NdFeB Magnet			DRAWING NO. 4DC150270003		REV. 00	
			SHT.NO.	NO.OF SHT.		

A4 SIZE