

FIRST ANGLE PROJECTION

ALL DIMENSIONS ARE IN mm.

REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	GVN
		CHECKED			CHECKED			CHECKED	GVN
		APPROVED			APPROVED			APPROVED	SKR
						MAGNET SHAPE CHANGED VIDE REDESIGN OF PMG WITH RECTANGULAR MAGNETS, RADIUS ON ONE SIDE.			

Sintered NdFeB Magnet (N35EH grade)

Quantity - 30 Nos.

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Magnetisation Direction

Technical details for NdFeB Magnets (N35EH grade)

- Br = 11.6 to 12.0 kG.
- Hc = 10.8 to 11.6 kOe.
- Hci = 24.8 to 27.0 kOe.
- BHmax = 33-35 MGOe
- Temperature grade = 200°C.
- Temperature coefficient of Br = -0.11 to -0.12 % / deg C.
- Nickel Coating to be provided, to prevent corrosion of magnet.
- Magnetization/orientation along 9 mm thick direction as shown in the above sketches.
- Magnets to be supplied in magnetized condition. 30 Magnets to be magnetized in N-S direction & 30 Magnets in S-N direction as shown in the above sketches. Five (05 no.s) Magnets are to be supplied in un-magnetized condition taken from the different manufacturing lots.**
- Test certificate showing magnet specifications, grade at 20 DegC and also at higher temperatures i.e. 60, 90, 120, 150 DegC to be furnished at the time of supply.
- Warranty/Guarantee certificate for one year should be provided by the supplier.
- All corners are to be rounded off as shown.

Total Quantity - 65 Nos. (with 5 no.s in Un-magnetised condition)

Length = 35^{+0.0/-0.1} mm

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				PMG -10.5 (150 Hz)						
BHARAT HEAVY ELECTRICALS LIMITED Corp. R&D Division. Vikasnagar HYDERABAD - 500 093				DRN.	GVN		DATE	05.12.19		NO.OF VAR.
				CKD.	GVN		DATE	05.12.19		
				APPD.	SKR		DATE	05.12.19		
DEPT. EMC (PMM)			SCALE	WEIGHT(K.G.)	REF.TO ASSY.DRG.		ITEM NO.	NO.OF ITEM		
CODE 29			NTS				01	01		
TITLE					DRAWING NO.			REV.		
High energy NdFeB Magnet - 10.5					4MC183120001			01		
SHT.NO.				NO.OF SHT.						

A4 SIZE