

Part #	Grade	L mm	L inch	W mm	W inch	T mm	T inch	Coating
YB-010-1	N30	8.02	0.32	8.02	0.32	5.02	0.20	Chromate
YB-011-1	N30	8.00	0.31	8.00	0.31	5.00	0.20	Zinc
YB-013-1	N33	8.50	0.33	8.50	0.33	3.00	0.12	Chromate
YB-018-1	N33	6.30	0.25	5.00	0.20	3.80	0.15	Nickel
YB-022-1	N30	2.00	0.08	2.00	0.08	2.50	0.10	Uncoated
YB-152-1	N30	2.00	0.08	2.00	0.08	2.50	0.10	Nickel
YB-042-1	N35	21.50	0.85	6.15	0.24	13.50	0.53	E-Coat

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MAGNET PROPERTIES:

N30:

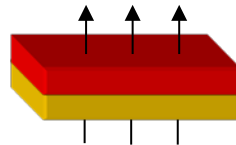
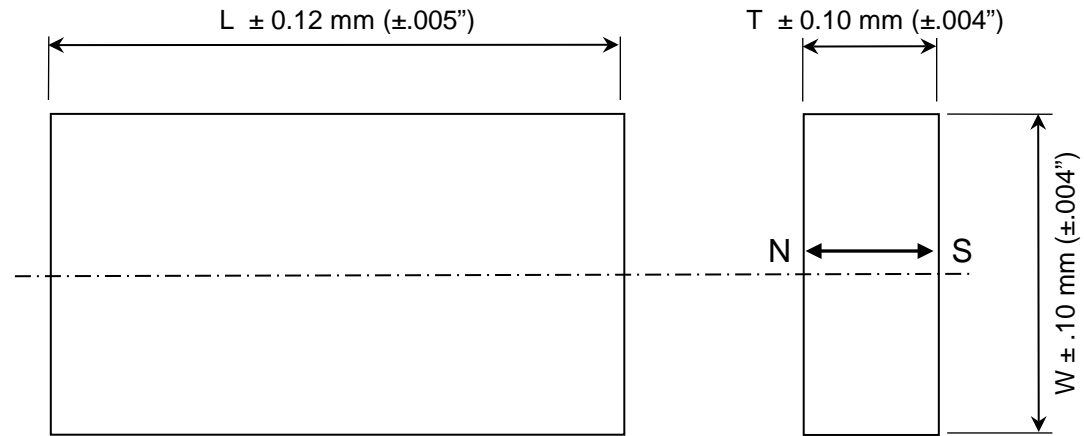
Br: 10,800-11,400 G
 Hc: 10,800-11,500 Oe
 Hci: ≥12,000 Oe
 BH_(max): 28-31 MGOe
 T max: 80° C (175° F)

N33:

Br: 11,400-11,700 G
 Hc: 10,800-11,500 Oe
 Hci: ≥12,000 Oe
 BH_(max): 30-34 MGOe
 T max: 80° C (175° F)

N35:

Br: 11,700-12,200 G
 Hc: 10,800-11,500 Oe
 Hci: ≥12,000 Oe
 BH_(max): 33-36 MGOe
 T max: 80° C (175° F)



Rev	Date	By

TOLERANCES
 (UNLESS OTHERWISE NOTED)

DECIMAL	METRIC
X.XX = ± .01	X.X = ± .25
X.XXX = ± .005	X.XX = ± .13

ANGLES
 ± .5°

DO NOT SCALE DRAWING

Alliance LLC		
1450 CLARK DRIVE, VALPARAISO, INDIANA 46385		
DESCRIPTION: RARE EARTH BLOCK MAGNET		
P/N: YB-XXX-X		SENSOR MAGNET
MATERIAL: NdFeB	Dwg by: BT	REV LEVEL: A
COATING: See Table	Apr by: DV	Apr. Dated: 04-10-2020