

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-042-1	N35	21.50	0.85	6.15	0.24	13.50	0.53	E-Coat

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**MAGNET PROPERTIES:**

**N30:**

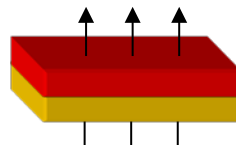
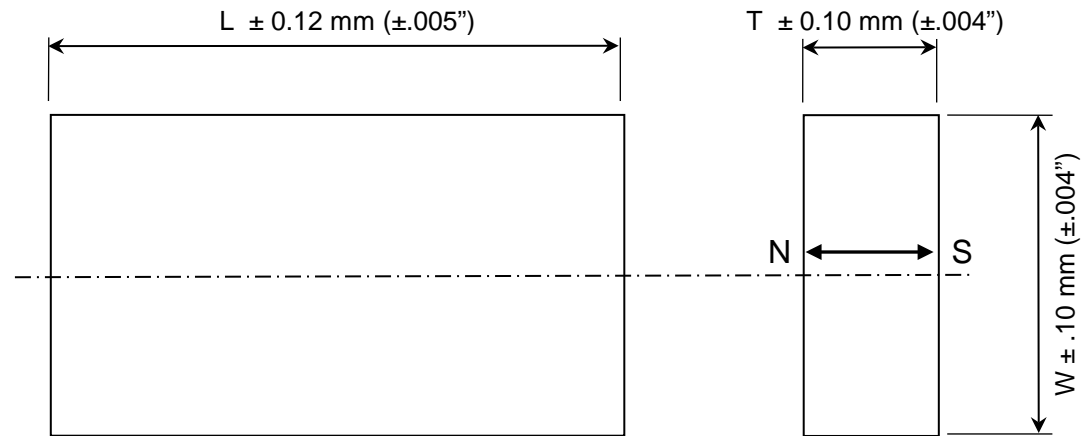
Br: 10,800-11,400 G  
 Hc: 10,800-11,500 Oe  
 Hci: ≥12,000 Oe  
 BH<sub>(max)</sub>: 28-31 MGOe  
 T max: 80° C (175° F)

**N33:**

Br: 11,400-11,700 G  
 Hc: 10,800-11,500 Oe  
 Hci: ≥12,000 Oe  
 BH<sub>(max)</sub>: 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<sub>(max)</sub>: 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

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