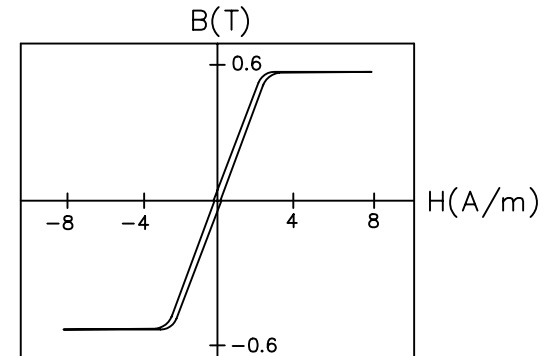
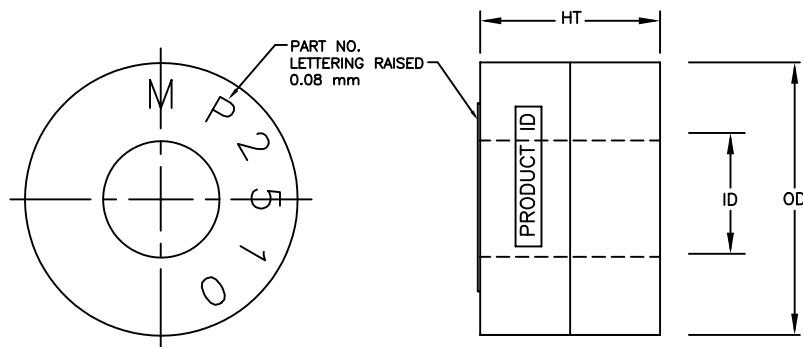


MP2510X4AF



TYPICAL B-H LOOP

| Boxed Core Specifications |       |       |       | Bare Core Specifications |       |       |
|---------------------------|-------|-------|-------|--------------------------|-------|-------|
| PART NO.                  | OD mm | ID mm | HT mm | OD mm                    | ID mm | HT mm |
| MP2510X4AF                | 27.8  | 17.3  | 11.5  | 25.58                    | 19.05 | 9.53  |
| Tolerance (mm)            | ±0.3  | ±0.3  | ±0.3  |                          |       |       |

| Box Designation (X) | Material DuPont | Manufacturer UL File # | Manufacturer Flammability Rating | Manufacturer Recommended Temperature |
|---------------------|-----------------|------------------------|----------------------------------|--------------------------------------|
| P                   | ZYTEL 70G33L    | E41938                 | HB                               | 120°C                                |
| L                   | ZYTEL FR50      | E41938                 | 94 V0                            | 130°C                                |
| V                   | RYNITE FR530L   | E69578                 | 94 V0                            | 150°C                                |

| Performance Specifications |                 |       |                 |                 |                 |         |
|----------------------------|-----------------|-------|-----------------|-----------------|-----------------|---------|
| $l_m$                      | $A_c$           | Mass  | Vol             | $W_a$           | $W_a A_c$       | $A_l$   |
| cm                         | cm <sup>2</sup> | g     | cm <sup>3</sup> | cm <sup>2</sup> | cm <sup>4</sup> | $\mu H$ |
| 7.01                       | 0.249           | 13.28 | 1.74            | 2.34            | 0.583           | ≥ 32.1  |

$A_l$  is measured at 1 kHz, 2.0 mA/cm.

$l_m$  = mean magnetic path length  
 $A_c$  = net cross-sectional area  
 $W_a$  = core window area

**NOTE:**

- PART IDENTIFICATION CODE AND MANUFACTURING DATE CODE ARE PRINTED ON CURVED SURFACE.
- ALL MEASUREMENTS ARE DONE AT ROOM TEMPERATURE.
- MAXIMUM CONTINUOUS OPERATING TEMPERATURE IS 90°C (IRRESPECTIVE OF TYPE OF BOX USED.)

**MAGNETIC TOLERANCES:**  
 PERMEABILITY ≥ 72,000  
 MASS ± 3%

**CORE MATERIAL:**  
 METGLAS® ALLOY 2714A.

| <b>NOTICE :-</b><br>THIS DRAWING, THE PROPERTY OF HITACHI METGLAS IS FURNISHED SUBJECT TO RETURN ON DEMAND AND THE CONDITION THAT THE INFORMATION AND TECHNOLOGY EMBODIED HEREIN SHALL NOT BE DISCLOSED OR USED AND THE DRAWING SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART EXCEPT AS PREVIOUSLY AUTHORIZED IN WRITING. ANY PERSON WHO MAY RECEIVE OR OBSERVE THIS DESIGN WILL BE HELD STRICTLY LIABLE FOR ANY VIOLATION WHETHER WILLFUL OR NEGLIGENT. | TOLERANCES UNLESS OTHERWISE SPECIFIED |  | NO. | REVISION                                                              |  | BY | APPR. | DATE     | DIMENSIONS |  | MM          | DESCRIPTION MAGNAPERM(FLAT LOOP)<br>MAGNETIC TOROIDAL CORE |                      |  |         | SHEET |          | PART NO. |            | REV. NO. |          |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--|-----|-----------------------------------------------------------------------|--|----|-------|----------|------------|--|-------------|------------------------------------------------------------|----------------------|--|---------|-------|----------|----------|------------|----------|----------|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                       |  | 1.  | ADDED TOL. ≥ TO AI                                                    |  | VS | RK    | 01/30/02 | SCALE      |  | N.T.S       |                                                            |                      |  |         |       | 1 OF 1   |          | MP2510X4AF |          | 2        |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                       |  | 2.  | ADDED NOTE # 3 & PART NO. WAS MP2510L4AF. COMPANY NAME WAS HONEYWELL. |  | VS | RK    | 02/10/04 | PROJECTION |  | THIRD ANGLE |                                                            | MATERIAL<br>AS NOTED |  |         |       |          |          |            |          |          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>HITACHI<br/>METGLAS</b>            |  |     |                                                                       |  |    |       |          |            |  | SR          |                                                            | 07/12/01             |  | SR      |       | 07/19/01 |          | RH,RM,ST   |          | 07/19/01 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                       |  |     |                                                                       |  |    |       |          |            |  | DRAWN       |                                                            | DATE                 |  | CHECKED |       | DATE     |          | APPROVED   |          | DATE     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                       |  |     |                                                                       |  |    |       |          |            |  |             |                                                            |                      |  |         |       |          |          |            |          |          |  |