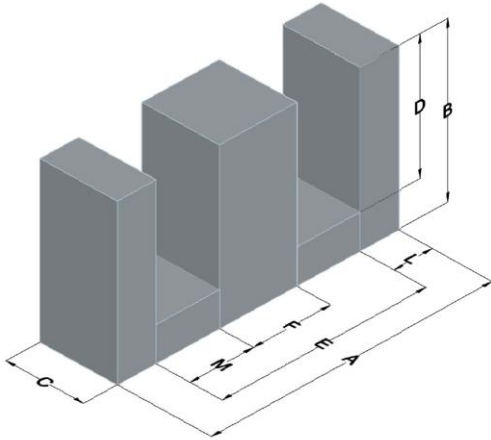




# 00G5530E040

110 Delta Drive  
 Pittsburgh, PA 15238  
 NAFTA Sales: (1)800-245-3984  
 HK Sales : (852)3102-9337  
 magnetics@spang.com  
 www.mag-inc.com



| Edge Permeability ( $\mu$ ) | $A_L$ (nH/T <sup>2</sup> ) | Core Marking |             |
|-----------------------------|----------------------------|--------------|-------------|
|                             |                            | Lot Number   | Part Number |
| 40                          | 187 ± 8%                   | XXXXXX       | G5530E040   |

|          | Dimensions |       | Tolerance (±) |       |     | Packaging            |
|----------|------------|-------|---------------|-------|-----|----------------------|
|          | (mm)       | (in)  | (mm)          | (in)  |     |                      |
| <b>A</b> | 54.86      | 2.159 | 0.81          | 0.032 |     | Est. Box Qty= 96 Pcs |
| <b>B</b> | 27.56      | 1.085 | 0.41          | 0.016 |     |                      |
| <b>C</b> | 24.61      | 0.969 | 0.38          | 0.015 |     |                      |
| <b>D</b> | 18.52      | 0.729 | -             | -     | Min | Available Hardware   |
| <b>E</b> | 37.49      | 1.475 | -             | -     | Min | PCB5530FA            |
| <b>F</b> | 16.76      | 0.660 | 0.38          | 0.015 |     |                      |
| <b>L</b> | 8.38       | 0.330 | -             | -     | Nom |                      |
| <b>M</b> | 10.29      | 0.405 | -             | -     | Min |                      |

| Electrical Characteristics                           |                        |     | Physical Characteristics |                                      |  |                        |                                 |                             |
|--|------------------------|-----|--------------------------|--------------------------------------|--|------------------------|---------------------------------|-----------------------------|
| Watt Loss @ 100 kHz, 100mT max (mW/cm <sup>3</sup> ) | DC Bias min (oersteds) |     | Break Strength Min (kg)  | Window Area $W_a$ (mm <sup>2</sup> ) | Cross Section $A_e$ (mm <sup>2</sup> ) | Path Length $L_e$ (mm) | Volume $V_e$ (mm <sup>3</sup> ) | Est. Weight (Ea. Piece) (g) |
| 525  | 80%                    | 50% | 57                       | 381                                  | 417                                    | 123                    | 51,300                          | 200.4                       |
|  | 165                    | 230 |                          |                                      |  |                        |                                 |                             |

| Notes: | Temperature Rating |
|--------|--------------------|
|        | Curie Temp: 500 °C |

