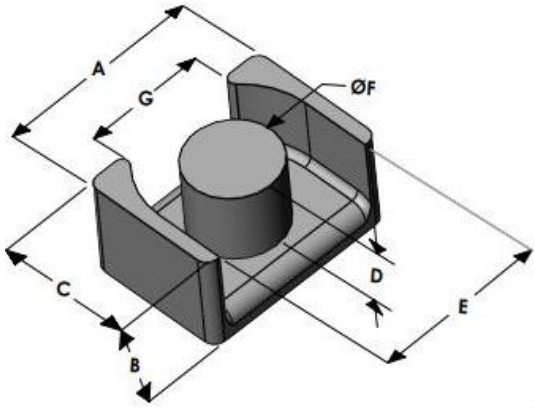




# LPG3020E040L118

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| Edge Permeability ( $\mu$ ) | $A_L$ (nH/T <sup>2</sup> ) | Core Marking |                 |
|-----------------------------|----------------------------|--------------|-----------------|
|                             |                            | Lot Number   | Part Number     |
| 40                          | 96 ± 8%                    | XXXXXX       | LPG3020E040L118 |

|   | Dimensions |       | Tolerance (±) |       | Packaging             |
|---|------------|-------|---------------|-------|-----------------------|
|   | (mm)       | (in)  | (mm)          | (in)  |                       |
| A | 30.00      | 1.181 | 0.40          | 0.016 | Est. Box Qty= 300 Pcs |
| B | 11.80      | 0.464 | 0.20          | 0.008 |                       |
| C | 20.00      | 0.787 | 0.30          | 0.012 |                       |
| D | 8.50       | 0.335 | 0.20          | 0.008 | Available Hardware    |
| E | 25.60      | 1.007 | 0.30          | 0.012 |                       |
| F | 12.00      | 0.472 | 0.20          | 0.008 |                       |
| G |            |       |               |       |                       |

| Electrical Characteristics                           |                        |     | Physical Characteristics |                                      |  |                        |                                 |                             |
|--|------------------------|-----|--------------------------|--------------------------------------|--|------------------------|---------------------------------|-----------------------------|
| Watt Loss @ 100 kHz, 100mT max (mW/cm <sup>3</sup> ) | DC Bias min (oersteds) |     | Break Strength typ (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) |
| 550  | 80%                    | 50% | 23                       | 116                                  | 114                                    | 68.5                   | 7,800                           | TBD                         |
|  | 140                    | 215 |                          |                                      |  |                        |                                 |                             |

Note: Standard AL is controlled with full window high turns test coils. Application coils with few turns often result in lower inductance than expected, or sometimes higher.

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

## Typical DC Bias Performance

