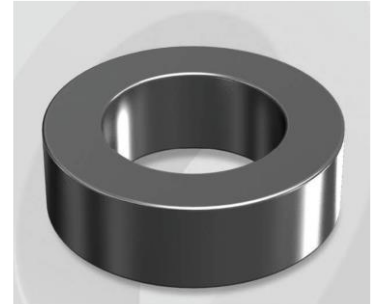


# CK740090G

## Electrical Characteristics

| Material  | Permeability ( $\mu$ ) | AL $\pm$ 8% (nH/N <sup>2</sup> ) | DCB (% min) @ 60 Oe | Coreloss (mW/cm <sup>3</sup> , max) @ 50kHz, 300G |
|-----------|------------------------|----------------------------------|---------------------|---|
| Mega Flux | 90                     | 309                              | 55.2                | 55  |

OD : 740



## Core Dimensions

| Dimensions |       | Uncoated |        | Coated |        | Color | Packaging        |
|------------|-------|----------|--------|--------|--------|-------|------------------|
|            |       | (mm)     | (inch) | (mm)   | (inch) |       |                  |
| OD         | (Max) | 74.10    | 2.917  | 75.20  | 2.961  | Black | Box Qty = 15 pcs |
| ID         | (min) | 45.30    | 1.783  | 44.07  | 1.735  |       |                  |
| HT         | (max) | 35.00    | 1.378  | 36.27  | 1.428  |       |                  |

## Physical Characteristics

| Cross Section (A)     | Path Length ( $l$ ) | Window Area (Wa)      | Volume (V)             | Breakdown Voltage (Vac) |
|-----------------------|---------------------|-----------------------|------------------------|-------------------------|
| 5.040 cm <sup>2</sup> | 18.38 cm            | 15.25 cm <sup>2</sup> | 92.635 cm <sup>3</sup> | 1,000                   |
| 0.781 in <sup>2</sup> | 7.24 in             | 3,009,670 cmil        | 5.653 in <sup>3</sup>  |                         |

## Winding Information

|  |       |       |
|--|-------|-------|
| 0% Winding length/turn (cm)                        |       |       |
| 10.367   |       |       |
| 40% winding factor Surface Area (cm <sup>2</sup> ) |       |       |
| 283.09   |       |       |
| 40% Wound Di.(mm)                                  |       |       |
| OD   | ID    | HT    |
| 86.36  | 28.85 | 49.46 |

For Your Reference Only

## Typical DC Bias Performance

