

## IRON POWDER CORE SERIES PRODUCTS

# E Type Cores



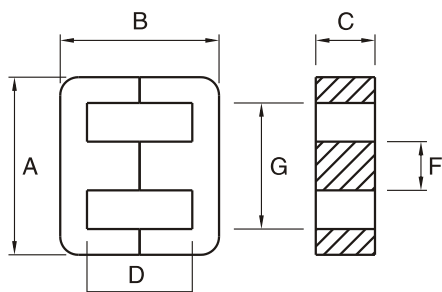
### STANDARD SPECIFICATIONS

| Part Number | $A_L$<br>nH/N <sup>2</sup> | A<br>mm | B<br>mm | C<br>mm | D<br>mm | F<br>mm | G<br>mm | Le<br>cm | Ae<br>cm <sup>2</sup> | V<br>cm <sup>3</sup> | W<br>cm <sup>2</sup> |
|-------------|----------------------------|---------|---------|---------|---------|---------|---------|----------|-----------------------|----------------------|----------------------|
| KE56-40     | 240.0                      | 56.1    | 55.4    | 20.8    | 38.3    | 17.3    | 38.6    | 13.2     | 3.60                  | 47.7                 | 4.09                 |
| KE56-52     | 262.0                      | 56.1    | 55.4    | 20.8    | 38.3    | 17.3    | 38.6    | 13.2     | 3.60                  | 47.7                 | 4.09                 |
| KE57-8      | 173.0                      | 56.9    | 47.6    | 18.9    | 29.0    | 18.9    | 38.1    | 11.5     | 3.58                  | 40.8                 | 2.78                 |
| KE57-18     | 240.0                      | 56.9    | 47.6    | 18.9    | 29.0    | 18.9    | 38.1    | 11.5     | 3.58                  | 40.8                 | 2.78                 |
| KE57-26     | 325.0                      | 56.9    | 47.6    | 18.9    | 29.0    | 18.9    | 38.1    | 11.5     | 3.58                  | 40.8                 | 2.78                 |
| KE57-28     | 139.0                      | 56.9    | 47.6    | 18.9    | 29.0    | 18.9    | 38.1    | 11.5     | 3.58                  | 40.8                 | 2.78                 |
| KE57-40     | 290.0                      | 56.9    | 47.6    | 18.9    | 29.0    | 18.9    | 38.1    | 11.5     | 3.58                  | 40.8                 | 2.78                 |
| KE57-52     | 325.0                      | 56.9    | 47.6    | 18.9    | 29.0    | 18.9    | 38.1    | 11.5     | 3.58                  | 40.8                 | 2.78                 |
| KE77-2      | 75.0                       | 77.5    | 77.5    | 23.7    | 53.8    | 23.7    | 53.8    | 18.5     | 5.62                  | 104                  | 8.10                 |
| KE77-8      | 156.0                      | 77.5    | 77.5    | 23.7    | 53.8    | 23.7    | 53.8    | 18.5     | 5.62                  | 104                  | 8.10                 |
| KE77-18     | 222.0                      | 77.5    | 77.5    | 23.7    | 53.8    | 23.7    | 53.8    | 18.5     | 5.62                  | 104                  | 8.10                 |
| KE77-26     | 287.0                      | 77.5    | 77.5    | 23.7    | 53.8    | 23.7    | 53.8    | 18.5     | 5.62                  | 104                  | 8.10                 |
| KE77-30     | 124.0                      | 77.5    | 77.5    | 23.7    | 53.8    | 23.7    | 53.8    | 18.5     | 5.62                  | 104                  | 8.10                 |
| KE77-34     | 150.0                      | 77.5    | 77.5    | 23.7    | 53.8    | 23.7    | 53.8    | 18.5     | 5.62                  | 104                  | 8.10                 |
| KE77-40     | 255.0                      | 77.5    | 77.5    | 23.7    | 53.8    | 23.7    | 53.8    | 18.5     | 5.62                  | 104                  | 8.10                 |
| KE77-52     | 287.0                      | 77.5    | 77.5    | 23.7    | 53.8    | 23.7    | 53.8    | 18.5     | 5.62                  | 104                  | 8.10                 |
| KE77-26A    | 382.0                      | 77.5    | 77.5    | 31.6    | 53.8    | 23.7    | 53.8    | 18.5     | 7.49                  | 139                  | 8.10                 |
| KE77-28A    | 165.0                      | 77.5    | 77.5    | 31.6    | 53.8    | 23.7    | 53.8    | 18.5     | 7.49                  | 139                  | 8.10                 |
| KE77-40A    | 339.0                      | 77.5    | 77.5    | 31.6    | 53.8    | 23.7    | 53.8    | 18.5     | 7.49                  | 139                  | 8.10                 |
| KE77-52A    | 382.0                      | 77.5    | 77.5    | 31.6    | 53.8    | 23.7    | 53.8    | 18.5     | 7.49                  | 139                  | 8.10                 |

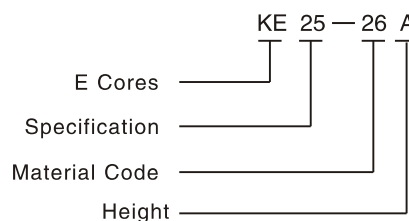
### Size tolerance

| Part Number | A      | B      | C      | D      | F      | G      |
|-------------|--------|--------|--------|--------|--------|--------|
| KE13-KE30   | ± 0.25 | ± 0.25 | ± 0.12 | ± 0.17 | ± 0.12 | ± 0.17 |
| KE32-KE41   | ± 0.37 | ± 0.37 | ± 0.17 | ± 0.25 | ± 0.17 | ± 0.25 |
| KE43-KE57   | ± 0.37 | ± 0.37 | ± 0.25 | ± 0.25 | ± 0.17 | ± 0.25 |
| KE77        | ± 0.75 | ± 0.75 | ± 0.37 | ± 0.50 | ± 0.37 | ± 0.50 |

### TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



### TYPICAL PART No.



Le: Mean Magnetic Path Length  
Ae: Cross Section Area  
Ve: Core Volume