
1.PRODUCT SYMBOL 2.OUTSIDE DIA
: mm
3.BODY HEIGHT : mm 4.HIGH CURRENT 5.INDUCTANCE
: $\mu \mathrm{H}$
6.TOLERANCE : $\mathrm{K} \pm 10 \%, \mathrm{~L} \pm 15 \%, \mathrm{M} \pm 20 \%$
7.Meet ROHS Regulations of Prohibiped 6 Poisonous Materials

## SHAPES \& DIMENSION FOR SDF SERIES (mm)

## FEATURE

- Miniature size
- Available on tape and reel for automatic Insertion
- Lead free part available



## RECOMMENDED PATTERN (mm)



| TYPE | A Max. | B Max. | C Max. | DE | FG |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SDF2010 | 2.2 | 2.2 | 1.0 | 2.3 | 1.4 |
| SDF2015 | 2.2 | 2.2 | 1.4 | 2.3 | 1.4 |
| SDF2015C | 2.2 | 2.2 | 1.4 | 2.3 | 1.4 |
| SDF3010 | 3.0 | 3.0 | 1.1 | 3.1 | 1.7 |
| SDF3015 | 3.0 | 3.0 | 1.4 | 3.1 | 1.7 |
| SDF3015C | 3.0 | 3.0 | 1.5 | 3.1 | 1.7 |

SMD POWBR INDUGUORS 8DF JVFP

## ELECTRICAL SPECIFICATION

| $L(\mu \mathrm{H})$ | $\mathrm{RDC}(\mathrm{OHM}) \pm 20 \%$ |  |  |  |  |  | IDC(A)Max. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2010 | 2015 | 2015C | 3010 | 3015 | 3015C | 2010 | 2015 | 2015C | 3010 | 3015 | 3015C |
| 1.5 | 0.22 | 0.11 | 0.15 | 0.097 | 0.041 | 0.069 | 0.62 | 0.75 | 0.90 | 1.20 | 1.00 | 1.65 |
| 1.8 |  |  |  |  | 0.050 |  |  |  |  |  | 0.98 |  |
| 2.2 | 0.25 | 0.13 | 0.20 | 0.110 | 0.053 | 0.098 | 0.52 | 0.55 | 0.75 | 1.00 | 0.90 | 1.40 |
| 3.3 | 0.40 | 0.20 | 0.28 | 0.200 | 0.087 | 0.140 | 0.45 | 0.48 | 0.60 | 0.87 | 0.85 | 1.10 |
| 4.7 | 0.45 | 0.23 | 0.33 | 0.280 | 0.116 | 0.190 | 0.35 | 0.40 | 0.50 | 0.70 | 0.70 | 0.90 |
| 6.8 | 0.70 | 0.35 | 0.50 | 0.340 | 0.145 | 0.270 | 0.30 | 0.30 | 0.40 | 0.61 | 0.58 | 0.85 |
| 10 | 0.88 | 0.52 | 0.85 | 0.580 | 0.227 | 0.410 | 0.22 | 0.25 | 0.30 | 0.45 | 0.45 | 0.68 |
| 15 |  | 0.85 | 1.05 | 0.860 | 0.372 | 0.500 |  | 0.18 | 0.25 | 0.40 | 0.36 | 0.58 |
| 22 |  | 1.05 |  | 1.130 | 0.456 | 0.740 |  | 0.15 |  | 0.33 | 0.30 | 0.48 |
| 33 |  |  |  |  | 0.825 | 1.250 |  |  |  |  | 0.24 | 0.35 |
| 47 |  |  |  |  | 0.963 | 1.980 |  |  |  |  | 0.19 | 0.30 |
| 68 |  |  |  |  | 1.583 |  |  |  |  |  | 0.16 |  |

Operating Temperature : $-30^{\circ} \mathrm{C} \sim+85^{\circ} \mathrm{C}$
Test Freq. : $100 \mathrm{KHz} / 0.5 \mathrm{~V}$
Inductance drop $\leqslant 35 \%$ typ. At IDC

