

# DESIGN KIT

## WE-TPC SMD Shielded Tiny Power Inductor



### SIZE:

6823 / 1028 / 1038

### TECHNICAL DATA:

L: 1 ~ 330  $\mu$ H  
DCR: 5.8 ~ 785 m $\Omega$   
 $I_R$ : 0.6 ~ 8 A  
 $I_{sat}$ : 0.7 ~ 10 A

Order Code 744 062

Version 1.0

# WE-TPC SMD Shielded Tiny Power Inductor



## 6823 (6.8 x 6.8 x 2.3)

### 744 062 001

L:	1 $\mu$ H
DCR:	10 $m\Omega$
$I_{R^*}$ :	4.8 A
$I_{sat^*}$ :	4.6 A

### 744 062 001 5

L:	1.5 $\mu$ H
DCR:	14 $m\Omega$
$I_{R^*}$ :	4.3 A
$I_{sat^*}$ :	4 A

### 744 062 002

L:	2.2 $\mu$ H
DCR:	17 $m\Omega$
$I_{R^*}$ :	3.4 A
$I_{sat^*}$ :	2.7 A

### 744 062 003

L:	3.3 $\mu$ H
DCR:	20 $m\Omega$
$I_{R^*}$ :	2.8 A
$I_{sat^*}$ :	2.5 A

### 744 062 005

L:	5 $\mu$ H
DCR:	38 $m\Omega$
$I_{R^*}$ :	2.15 A
$I_{sat^*}$ :	2 A

### 744 062 006

L:	6.2 $\mu$ H
DCR:	43 $m\Omega$
$I_{R^*}$ :	1.9 A
$I_{sat^*}$ :	1.8 A

### 744 062 007

L:	7.5 $\mu$ H
DCR:	48 $m\Omega$
$I_{R^*}$ :	1.7 A
$I_{sat^*}$ :	1.6 A

### 744 062 100

L:	10 $\mu$ H
DCR:	53 $m\Omega$
$I_{R^*}$ :	1.6 A
$I_{sat^*}$ :	1.4 A

### 744 062 150

L:	15 $\mu$ H
DCR:	85 $m\Omega$
$I_{R^*}$ :	1.31 A
$I_{sat^*}$ :	1.1 A

### 744 062 180

L:	18 $\mu$ H
DCR:	85 $m\Omega$
$I_{R^*}$ :	1.28 A
$I_{sat^*}$ :	1 A

## 1028 (10.0 x 10.0 x 2.8)

### 744 065 001

L:	1 $\mu$ H
DCR:	5.8 $m\Omega$
$I_{R^*}$ :	8 A
$I_{sat^*}$ :	9.5 A

### 744 065 001 5

L:	1.5 $\mu$ H
DCR:	8.5 $m\Omega$
$I_{R^*}$ :	7.2 A
$I_{sat^*}$ :	7.5 A

### 744 065 002 2

L:	2.2 $\mu$ H
DCR:	10.4 $m\Omega$
$I_{R^*}$ :	6.2 A
$I_{sat^*}$ :	5.9 A

### 744 065 003 3

L:	3.3 $\mu$ H
DCR:	15 $m\Omega$
$I_{R^*}$ :	5.3 A
$I_{sat^*}$ :	4.7 A

### 744 065 004 7

L:	4.7 $\mu$ H
DCR:	20 $m\Omega$
$I_{R^*}$ :	4.6 A
$I_{sat^*}$ :	4.2 A

### 744 065 006 8

L:	6.8 $\mu$ H
DCR:	27 $m\Omega$
$I_{R^*}$ :	4.2 A
$I_{sat^*}$ :	3.6 A

### 744 065 008 2

L:	8.2 $\mu$ H
DCR:	31 $m\Omega$
$I_{R^*}$ :	3.8 A
$I_{sat^*}$ :	2.8 A

### 744 065 100

L:	10 $\mu$ H
DCR:	45 $m\Omega$
$I_{R^*}$ :	3 A
$I_{sat^*}$ :	2.5 A

### 744 065 150

L:	15 $\mu$ H
DCR:	75 $m\Omega$
$I_{R^*}$ :	2.2 A
$I_{sat^*}$ :	2.25 A

### 744 065 220

L:	22 $\mu$ H
DCR:	110 $m\Omega$
$I_{R^*}$ :	1.8 A
$I_{sat^*}$ :	1.9 A

## 1038 (10.0 x 10.0 x 3.8)

### 744 066 001 5

L:	1.5 $\mu$ H
DCR:	6.2 $m\Omega$
$I_{R^*}$ :	7.2 A
$I_{sat^*}$ :	10 A

### 744 066 002 2

L:	2.2 $\mu$ H
DCR:	8 $m\Omega$
$I_{R^*}$ :	6.7 A
$I_{sat^*}$ :	6.8 A

### 744 066 003 5

L:	3.5 $\mu$ H
DCR:	11.5 $m\Omega$
$I_{R^*}$ :	5.8 A
$I_{sat^*}$ :	6.4 A

### 744 066 005

L:	5 $\mu$ H
DCR:	16.5 $m\Omega$
$I_{R^*}$ :	4.9 A
$I_{sat^*}$ :	5.5 A

### 744 066 006 2

L:	6.2 $\mu$ H
DCR:	20 $m\Omega$
$I_{R^*}$ :	4.3 A
$I_{sat^*}$ :	4.5 A

### 744 066 100

L:	10 $\mu$ H
DCR:	28 $m\Omega$
$I_{R^*}$ :	3.6 A
$I_{sat^*}$ :	4 A

### 744 066 150

L:	15 $\mu$ H
DCR:	40 $m\Omega$
$I_{R^*}$ :	3.2 A
$I_{sat^*}$ :	3.25 A

### 744 066 220

L:	22 $\mu$ H
DCR:	60 $m\Omega$
$I_{R^*}$ :	2.5 A
$I_{sat^*}$ :	2.3 A

### 744 066 330

L:	33 $\mu$ H
DCR:	92 $m\Omega$
$I_{R^*}$ :	2.1 A
$I_{sat^*}$ :	1.8 A

### 744 066 470

L:	47 $\mu$ H
DCR:	132 $m\Omega$
$I_{R^*}$ :	1.75 A
$I_{sat^*}$ :	1.85 A

### 744 066 680

L:	68 $\mu$ H
DCR:	185 $m\Omega$
$I_{R^*}$ :	1.5 A
$I_{sat^*}$ :	1.5 A

### 744 066 101

L:	100 $\mu$ H
DCR:	255 $m\Omega$
$I_{R^*}$ :	1.2 A
$I_{sat^*}$ :	1.2 A

### 744 066 151

L:	150 $\mu$ H
DCR:	395 $m\Omega$
$I_{R^*}$ :	1 A
$I_{sat^*}$ :	1.1 A

### 744 066 221

L:	220 $\mu$ H
DCR:	570 $m\Omega$
$I_{R^*}$ :	0.75 A
$I_{sat^*}$ :	0.85 A

### 744 066 331

L:	330 $\mu$ H
DCR:	785 $m\Omega$
$I_{R^*}$ :	0.6 A
$I_{sat^*}$ :	0.7 A

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