

查询"CTCDRH125E-180M"供应商

## CTCDRH125 Series

From 1.3  $\mu\text{H}$  to 1,000  $\mu\text{H}$ 

## ENGINEERING KIT #23F



## CHARACTERISTICS

**Description:** SMD (shielded) power inductor**Applications:** Power supplies for VTR, OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters, etc.**Operating Temperature:** -40°C to +100°C**Storage Temperature:** -40°C to +100°C**Inductance Tolerance:** +40%-20% ,  $\pm 20\%$ **Testing:** Inductance is tested on an HP4284A at 1.0 kHz**Packaging:** Tape & Reel**Marking:** Parts are marked with inductance code**Miscellaneous:** RoHS Compliant available**Additional Information:** Additional electrical & physical information available upon request**Samples available.** See website for ordering information.

## SPECIFICATIONS

Part numbers indicate tolerance available.

N = +40% -20% , M =  $\pm 20\%$ 

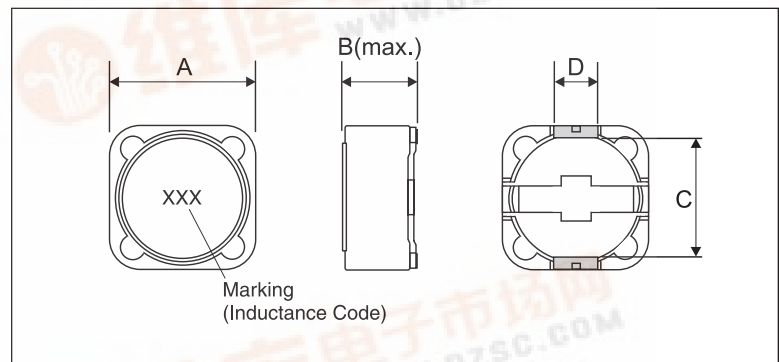
CTCDRH125E Please specify "F" for RoHS Compliant

\*IDC: The DC current at which the inductance decreases to 75% of its nominal value or when  $\Delta T = 40^\circ\text{C}$ , whichever is lower ( $T_a = 20^\circ\text{C}$ ).

| Part Number     | Inductance ( $\mu\text{H}$ ) | L Test Freq. (kHz) | DCR Max. ( $\Omega$ ) | *IDC Max. (A) |
|-----------------|------------------------------|--------------------|-----------------------|---------------|
| CTCDRH125_-1R3N | 1.3                          | 1.0                | .008                  | 11.8          |
| CTCDRH125_-2R1N | 2.1                          | 1.0                | .011                  | 9.8           |
| CTCDRH125_-3R1N | 3.1                          | 1.0                | .017                  | 6.0           |
| CTCDRH125_-4R4N | 4.4                          | 1.0                | .020                  | 5.0           |
| CTCDRH125_-5R8N | 5.8                          | 1.0                | .021                  | 4.4           |
| CTCDRH125_-7R5N | 7.5                          | 1.0                | .024                  | 4.2           |
| CTCDRH125_-7R6N | 7.6                          | 1.0                | .026                  | 4.5           |
| CTCDRH125_-100M | 10                           | 1.0                | .03                   | 4.0           |
| CTCDRH125_-120M | 12                           | 1.0                | .03                   | 3.5           |
| CTCDRH125_-150M | 15                           | 1.0                | .03                   | 3.3           |
| CTCDRH125_-180M | 18                           | 1.0                | .03                   | 3.0           |
| CTCDRH125_-220M | 22                           | 1.0                | .04                   | 2.8           |
| CTCDRH125_-270M | 27                           | 1.0                | .05                   | 2.3           |
| CTCDRH125_-330M | 33                           | 1.0                | .06                   | 2.1           |
| CTCDRH125_-390M | 39                           | 1.0                | .07                   | 2.0           |
| CTCDRH125_-470M | 47                           | 1.0                | .08                   | 1.8           |
| CTCDRH125_-560M | 56                           | 1.0                | .11                   | 1.7           |
| CTCDRH125_-680M | 68                           | 1.0                | .12                   | 1.5           |
| CTCDRH125_-820M | 82                           | 1.0                | .14                   | 1.4           |
| CTCDRH125_-101M | 100                          | 1.0                | .16                   | 1.3           |
| CTCDRH125_-121M | 120                          | 1.0                | .17                   | 1.1           |
| CTCDRH125_-151M | 150                          | 1.0                | .23                   | 1.0           |
| CTCDRH125_-181M | 180                          | 1.0                | .29                   | 0.9           |
| CTCDRH125_-221M | 220                          | 1.0                | .40                   | 0.8           |
| CTCDRH125_-271M | 270                          | 1.0                | .46                   | 0.8           |
| CTCDRH125_-331M | 330                          | 1.0                | .51                   | 0.7           |
| CTCDRH125_-391M | 390                          | 1.0                | .69                   | 0.7           |
| CTCDRH125_-471M | 470                          | 1.0                | .77                   | 0.6           |
| CTCDRH125_-561M | 560                          | 1.0                | .86                   | 0.5           |
| CTCDRH125_-681M | 680                          | 1.0                | 1.2                   | 0.5           |
| CTCDRH125_-821M | 820                          | 1.0                | 1.3                   | 0.4           |
| CTCDRH125_-102M | 1000                         | 1.0                | 1.5                   | 0.4           |

## PHYSICAL DIMENSIONS

| Size   | A<br>Max. | B<br>Max. | C                | D               |
|--------|-----------|-----------|------------------|-----------------|
| mm     | 12.8      | 6         | 7.6 $\pm 0.2$    | 5 $\pm 0.2$     |
| inches | 0.504     | 0.24      | 0.30 $\pm 0.008$ | 0.2 $\pm 0.007$ |



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Manufacturer of Passive and Discrete Semiconductor Components

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949-453-1811 Outside US

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