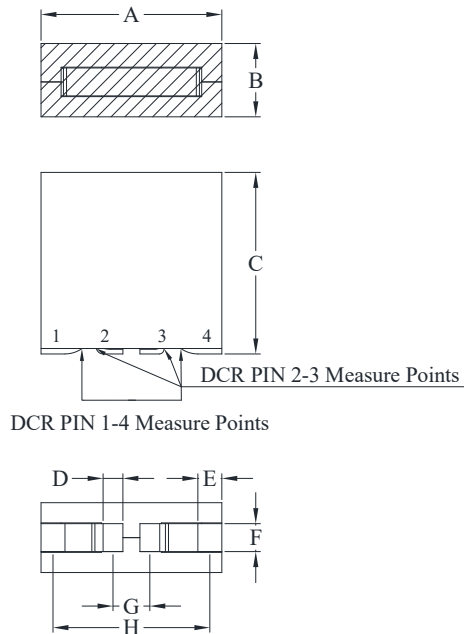




## DELTA P/N: TLM125012F Series

### Mechanical Dimensions & Schematic



UNIT : mm  
 A = 12.0 MAX  
 B = 5.0 MAX  
 C = 12.1 MAX  
 D = 1.28  
 E = 1.55  
 F = 1.80  
 G = 2.375  
 H = 10.15  
 I = 1.70  
 J = 2.10  
 K = 2.40  
 L = 2.40  
 M = 10.15



### Electrical Characteristics @ 25°C, 100kHz, 1V

| Delta P/N      | L<br>(nH)<br>± 15% | Li<br>(nH)<br>MIN | DCR<br>(mΩ)<br>± 10% |      | Isat <sup>1</sup><br>(A) |       |       | Ir <sup>2</sup><br>(A) | Ir <sup>2</sup><br>(A) |
|----------------|--------------------|-------------------|----------------------|------|--------------------------|-------|-------|------------------------|------------------------|
|                |                    |                   | 1-4                  | 2-3  | 25°C                     | 100°C | 125°C | 1-4                    | 2-3                    |
| TLM125012F-700 | 70                 | 50                | 0.125                | 0.45 | 145                      | 126   | 113   | 75                     | 40                     |
| TLM125012F-101 | 100                | 72                |                      |      | 103                      | 89    | 82    |                        |                        |
| TLM125012F-121 | 120                | 86                |                      |      | 85                       | 74    | 68    |                        |                        |

1. Isat is the DC current which causes the inductance drop to Li.
2. Ir is the DC current which causes the surface temperature of the part increase approximately 40 °C.
3. Operating temperature: -40°C to 125°C (Self-temperature rise included).

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