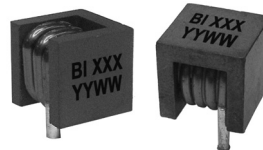


## Electrical / Environmental

- Operating Temperature Range -40°C to +125°C
- DCR Tolerance ±5 %
- Operating Frequency Up to 1 MHz

## HM58 High Current Low Loss Ferrite Cube Inductors

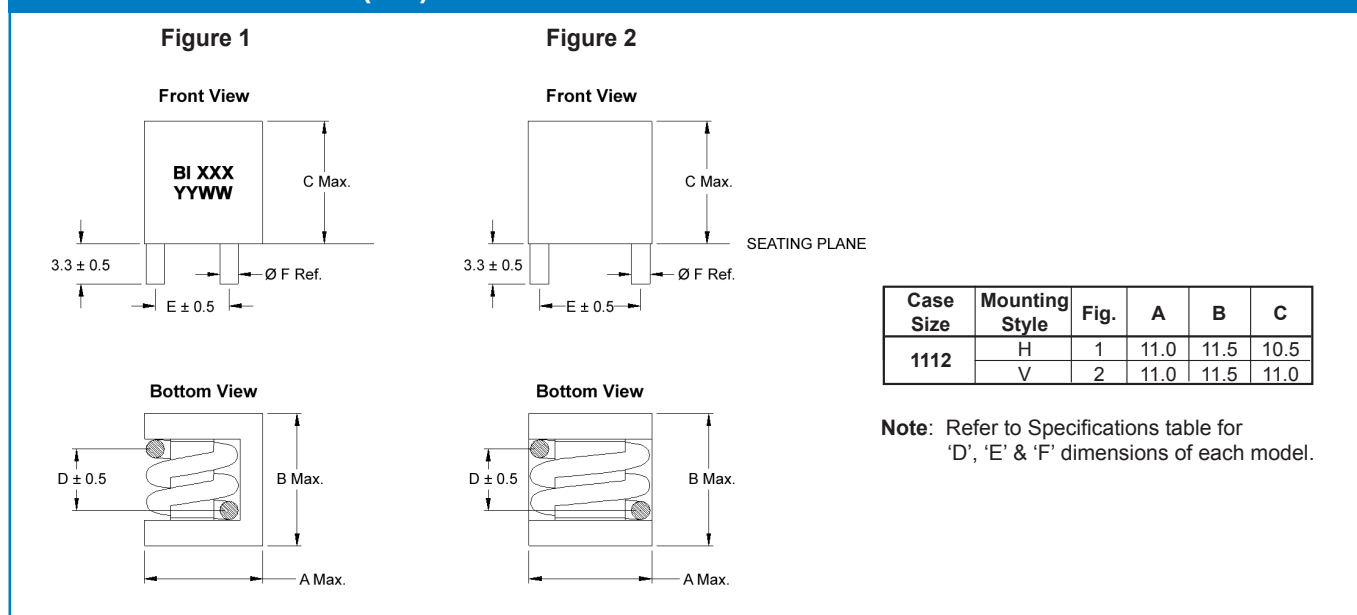


### Specifications @ 25°C

| Part Number     | Inductance<br>100 kHz, 0.1V |                          | $I_{rated}^{(1)}$<br>(Adc) | $I_{sat}^{(2)}$<br>(Adc) | DCR<br>(mΩ)<br>± 5% | Pitch         |               | Leads<br>Dim.F<br>(mm Typ.) | Fig. |
|-----------------|-----------------------------|--------------------------|----------------------------|--------------------------|---------------------|---------------|---------------|-----------------------------|------|
|                 | @ 0 Adc<br>μH ± 15%         | @ $I_{rated}$<br>μH Typ. |                            |                          |                     | Dim.D<br>(mm) | Dim.E<br>(mm) |                             |      |
| HM58-1112HR36LF | 0.36                        | 0.34                     | 40                         | 60                       | 0.65                | 5.0           | 6.6           | 1.62                        | 1    |
| HM58-1112VR36LF | 0.36                        | 0.34                     | 40                         | 60                       | 0.65                | 5.0           | 8.5           | 1.62                        | 2    |
| HM58-1112V1R3LF | 1.30                        | 1.00                     | 17                         | 25                       | 1.05                | 5.2           | 8.75          | 1.50                        | 2    |

Notes: (1) Rated current,  $I_{rated}$ , is the approximate DC current at which inductance will be decreased by 5% typical from its initial (zero DC) value.  
(2)  $I_{sat}$  is the saturation current at which inductance will be decreased by approximately 30% from its initial (zero DC) value.

### Outline Dimensions (mm)



### Packaging

Standard: Tray

Quantity Per Carton = 650 Units

### Ordering Information

