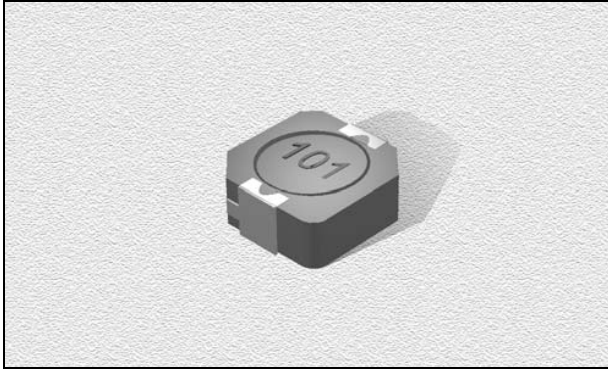


GVCDRH5D28R Series

From 3.3 μ H to 100 μ H



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: -30°C to +80°C

Inductance Tolerance: $\pm 30\%$

Testing: Tested on a HP4285A at 100 KHz , 0.25Vrms , 0Adc

Packaging: Tape & Reel

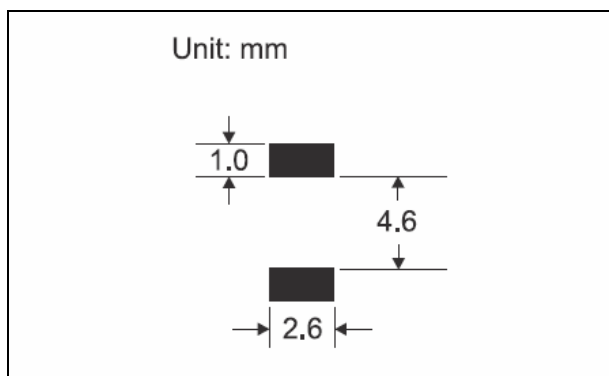
Marking: Parts are marked with inductance code

Miscellaneous: RoHS Compliant available

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

PAD LAYOUT



SPECIFICATIONS

Parts are available in $\pm 30\%$ tolerance only.

*This IDC indicates the value of current when the inductance is 35% lower than the nominal value.

GVCDRH5D28RE Please specify "F" for RoHS Compliant

| Part Number | Inductance (μ H $\pm 30\%$) | L Test Freq. (kHz) | DCR Max. (m Ω) | *IDC (A) |
|-------------------|-----------------------------------|--------------------|------------------------|----------|
| GVCDRH5D28R_-3R3N | 3.3 | 100 | 20.3 | 2.30 |
| GVCDRH5D28R_-100N | 10 | 100 | 54.0 | 1.30 |
| GVCDRH5D28R_-120N | 12 | 100 | 71.6 | 1.20 |
| GVCDRH5D28R_-150N | 15 | 100 | 82.4 | 1.10 |
| GVCDRH5D28R_-180N | 18 | 100 | 101.5 | 1.05 |
| GVCDRH5D28R_-220N | 22 | 100 | 119.0 | 0.95 |
| GVCDRH5D28R_-270N | 27 | 100 | 146.0 | 0.85 |
| GVCDRH5D28R_-330N | 33 | 100 | 182.5 | 0.76 |
| GVCDRH5D28R_-390N | 39 | 100 | 209.5 | 0.68 |
| GVCDRH5D28R_-470N | 47 | 100 | 229.5 | 0.60 |
| GVCDRH5D28R_-560N | 56 | 100 | 305.0 | 0.55 |
| GVCDRH5D28R_-680N | 68 | 100 | 351.0 | 0.48 |
| GVCDRH5D28R_-820N | 82 | 100 | 418.5 | 0.45 |
| GVCDRH5D28R_-101N | 100 | 100 | 520.0 | 0.40 |

PHYSICAL DIMENSIONS

| Size | A | B | C | D | E | F |
|--------|-------|-------|-------|-------|-------|-------|
| | Max. | Max. | Max. | | | |
| mm | 6.3 | 6.2 | 3.0 | 2.0 | 4.7 | 0.6 |
| inches | 0.248 | 0.246 | 0.118 | 0.079 | 0.185 | 0.024 |

