

**HL8527 SERIES**

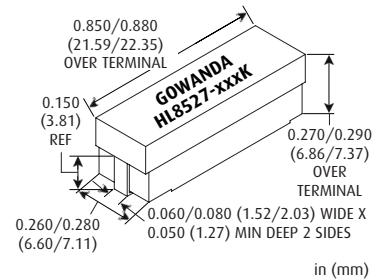
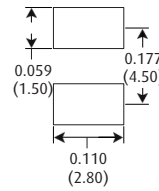


Molded High Inductance Choke



| PART NUMBER                   | L $\mu$ H @ 70 kHz | Q MIN @ 70 kHz | SRF MHz MIN | DCR $\Omega$ MAX | CURRENT RATING mA DC |
|-------------------------------|--------------------|----------------|-------------|------------------|----------------------|
| <b>NON-MAGNETIC COIL FORM</b> |                    |                |             |                  |                      |
| HL8527-165K                   | 16000              | 55             | 0.280       | 96               | 67                   |
| HL8527-275K                   | 27000              | 55             | 0.250       | 117              | 61                   |
| HL8527-305K                   | 30000              | 55             | 0.220       | 125              | 59                   |
| HL8527-325K                   | 32000              | 55             | 0.200       | 132              | 57                   |
| HL8527-555K                   | 55000              | 55             | 0.170       | 175              | 50                   |

RECOMMENDED FOOT PRINT

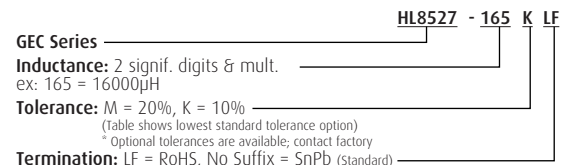


in (mm)

**NOTES**

- **Operating Temperature Range:** -55°C to +125°C
- **Current Rating** is based on a 35°C temperature rise at an ambient temperature of 90°C
- **Weight Max:** 2.70 grams
- **Marking:** GOWANDA; HL8527-XXXX (see diagram above)
- Epoxy-encapsulated for environmental protection and superior strength to withstand all types of reflow soldering
- Manufactured with heavy insulation to withstand high voltage
- Materials are fungus-inert to meet method 508 of MIL-STD-810H
- Custom designs are available to meet your specific requirements; please contact factory
- **Applications:** Specifically designed for lighting industry, but can be used in any RF application where high inductance is required.

**PART NUMBER DERIVATION**



**TAPE AND REEL SPECS**

|                      |        |
|----------------------|--------|
| Pieces/reel maximum: | 4800   |
| Pitch between parts: | 16 mm  |
| Tape width:          | 44 mm  |
| Reel diameter:       | 13 in. |