

Features & Application

2020/1/1

- IEEE 802.3 Ethernet compatible
 - Discrete transformers and common mode chokes for flexible PCB layout
 - Pair with common mode choke CMC2012F801-0.28AT for EMI reduc
 - Expanded temperature range: -40 to +85 °C
 - Environmental RoHS compliant, halogen fr
 - Low profile 5335 footprint: 5.30× 3.50 × 3.40 mm
- Core material Ferrite

Terminations RoHS compliant matte tin over nickel over silver palladium-glass frit.

Ambient temperature -40°C to +85°C with Irms current.

Maximum Part Temperature +125°C

Storage temperature Component: -40°C to +85°C. Tape and reel packaging: -40°C to +80°C

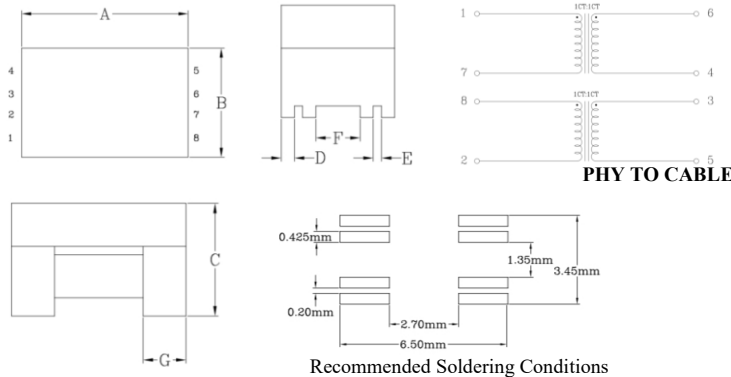
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles

Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C /85% relative humidity)

★ When ordering, please check part number

| Part number | Inductance(uH) @100KHz,0.1V,8 mA DC Bias (min) | Insertion Loss (dB) max. | capacitance (100KHz) (pF)typ. | Turns Ratio | POE+ |
|--------------------|--|-----------------------------|-------------------------------------|-------------|------|
| LTF5335-8P- | 140 | 1-100MHz 150- | 10 | 1:1 | N/A |
| LTF5335-8P-141T01G | 140 | 500MHz -0.8dB | 10 | 1:1 | N/A |

HI-POT 1.5KVAC,60sec PHY TO CABLE



| Dimensions | |
|------------|------------|
| A | 5.28±0.30 |
| B | 3.45±0.30 |
| C | 3.40±0.30 |
| D | 0.435±0.10 |
| E | 0.18±0.10 |
| F | 1.35±0.10 |
| G | 1.34±0.10 |
| unit : mm | |

| | |
|---|----------------------------|
| Insertion Return Loss | LCR Angilent E5071C/E5071B |
| Inductance/Cp | Angilent E4991A |
| Current per winding that causes a 20°C rise from 25°C ambient | |
| Electrical specifications at 25°C | |

| Contact Us | |
|------------|-------------------------|
| US | sales-us@bing-ri.com.tw |
| Taiwan | sales-tw@bing-ri.com.tw |
| China | sales-cn@bing-ri.com.tw |
| Japan | sales-jp@bing-ri.com.tw |

| |
|---|
| Official Website : |
| https://www.bing-ri.com.tw/ |

Weight 155 – 175 mg.

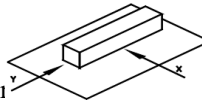
Packaging 500/7 " reel; Plastic tape: 12 mm wide.

Packaging will different,accroding the various chip size. □

GENERAL CHARACTERISTICS

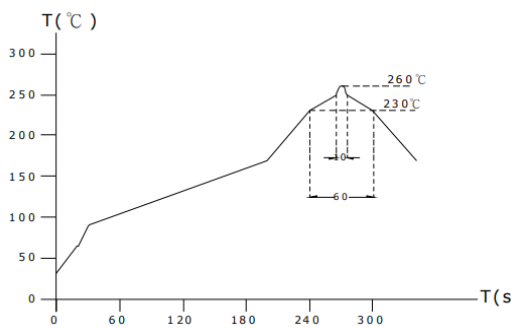
1. Operating temperature range: -40 TO + 125°C(Includes temperature when the coil is heated)
2. External appearance: On visual inspection, the coil has no external defects.
3. Terminal strength: After soldering. Between copper plate and terminals of coil. Push in two directions of X.Ywithstanding at below conditions.

Terminal should not peel off. (refer to figure at right) 0.98kg Min –5335



4. Insulating resistance: Over 100MΩ at 100V D.C. between coil and coil
5. Dielectric strength: No dielectric breakdown at 100V D.C. for 1 minute between coil and core
6. Temperature characteristics: Inductance coefficient (0~2,000)x10-6/ (°C -25~+80). °C , inductance deviation within±5.0%, after 96 hours.
7. Humidity characteristics(Moisture Resistance): Inductance deviation within ±5%, after 96 hours in 90~95% relative humidity at 40 ±2 and 1 hour drying under normal condition.
8. Vibration resistance: Inductance deviation within ±5%, after vibration for 1 hour. In each of three orientations at sweep vibration (10~55~10 Hz) with 1.5mm P-P amplitudes.
9. Shock resistance: Inductance deviation within ±5%, after being dropped once with 981m/s² (100G) shock attitude upon a rubber block method shock testing machine, in three different
10. Resistance to Soldering Heat: 260 , 10 seconds(See attached recommend reflow)
11. Storage environment: Storage condition: Temperature Range: 10 ~ 35 (Generally: 21 ~ 31) , Humidity Range: 50% ~ 80% RH (Generally: 65% ~ 75%) ; Transportation condition: Temperature Range:-35 ~ 85 , Humidity Range: 50% ~ 95% RH
12. Use components within 12 months. If 12 months or more have elapsed, check solderability before use.
13. Reflow profile recommend:

Lead-free heat en duran ce test



Lead-free the recommended reflow condition

