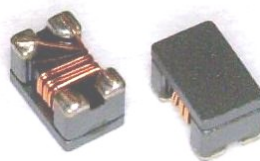


Features & Application

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 reduction
 - Expanded temperature range: -40 to +85 °C
 - Environmental RoHS compliant, halogen free
 - Low profile 3216 footprint: 3.20 × 1.60 × 1.90 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

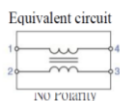
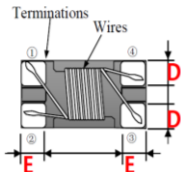
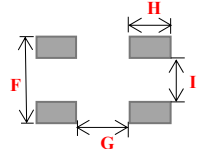
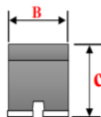
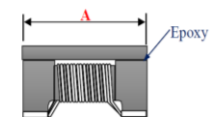
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between

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,(min)	DC Resistance (Ω) max.	Rated Current(mA) max.	Insulation Resistance (MΩ)min.	Rated Voltage (V) max.
LTF3216F600-T01G	60	1.5	200	10	50

Dimensions	
A	3.20±0.20
B	1.60±0.20
C	1.80±0.20
D	0.60 Typ
E	0.60 Typ
F	1.60 Typ
G	1.60 Typ
H	1.06 Typ
I	0.40 Typ
unit : mm	



Ls/Cp/Q/Z Angilent E4991A

DCR Chroma 16502

Current per winding that causes a 20°C rise from 25°C ambient

Electrical specifications at 25°C

Weight 37.7 – 44.3 mg

Packaging 2000/7 " reel; Plastic tape: 8 mm wide.

Packaging will different, according to the various chip size.

Contact Us

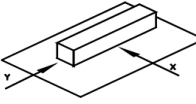
US	sales-us@bing-ri.com.tw
Taiwan	sales-tw@bing-ri.com.tw
China	sales-cn@bing-ri.com.tw
Japan	sales-jp@bing-ri.com.tw

Official Website :

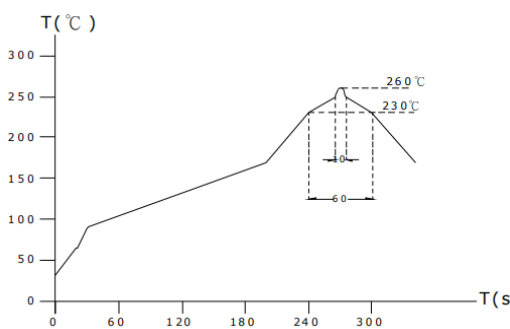
<https://www.bing-ri.com.tw/>

GENERAL CHARACTERISTICS

1. Operating temperature range: -40 TO $+125^{\circ}\text{C}$ (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.Y withstanding at below conditions.
Terminal should not peel off. (refer to figure at right) 0.50kg Min –3216
4. Insulating resistance: Over $100\text{M}\Omega$ 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 $(0\sim 2,000)\times 10^{-6}/(^{\circ}\text{C } -25\sim +80)$. $^{\circ}\text{C}$, inductance deviation within $\pm 5.0\%$, after 96 hours.
7. Humidity characteristics (Moisture Resistance): Inductance deviation within $\pm 5\%$, after 96 hours in $90\sim 95\%$ relative humidity at 40 ± 2 and 1 hour drying under normal condition.
8. Vibration resistance: Inductance deviation within $\pm 5\%$, after vibration for 1 hour. In each of three orientations at sweep vibration ($10\sim 55\sim 10\text{ Hz}$) with 1.5mm P-P amplitudes.
9. Shock resistance: Inductance deviation within $\pm 5\%$, after being dropped once with 981m/s^2 (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: $10 \sim 35$ (Generally: $21 \sim 31$), Humidity Range: $50\% \sim 80\% \text{ RH}$ (Generally: $65\% \sim 75\%$); Transportation condition: Temperature Range: $-35 \sim 85$, Humidity Range: $50\% \sim 95\% \text{ RH}$
12. Use components within 12 months. If 12 months or more have elapsed, check solderability before use.
13. Reflow profile recommend:



Lead-free heat endurance test



Lead-free the recommended reflow condition

