



FEATURES

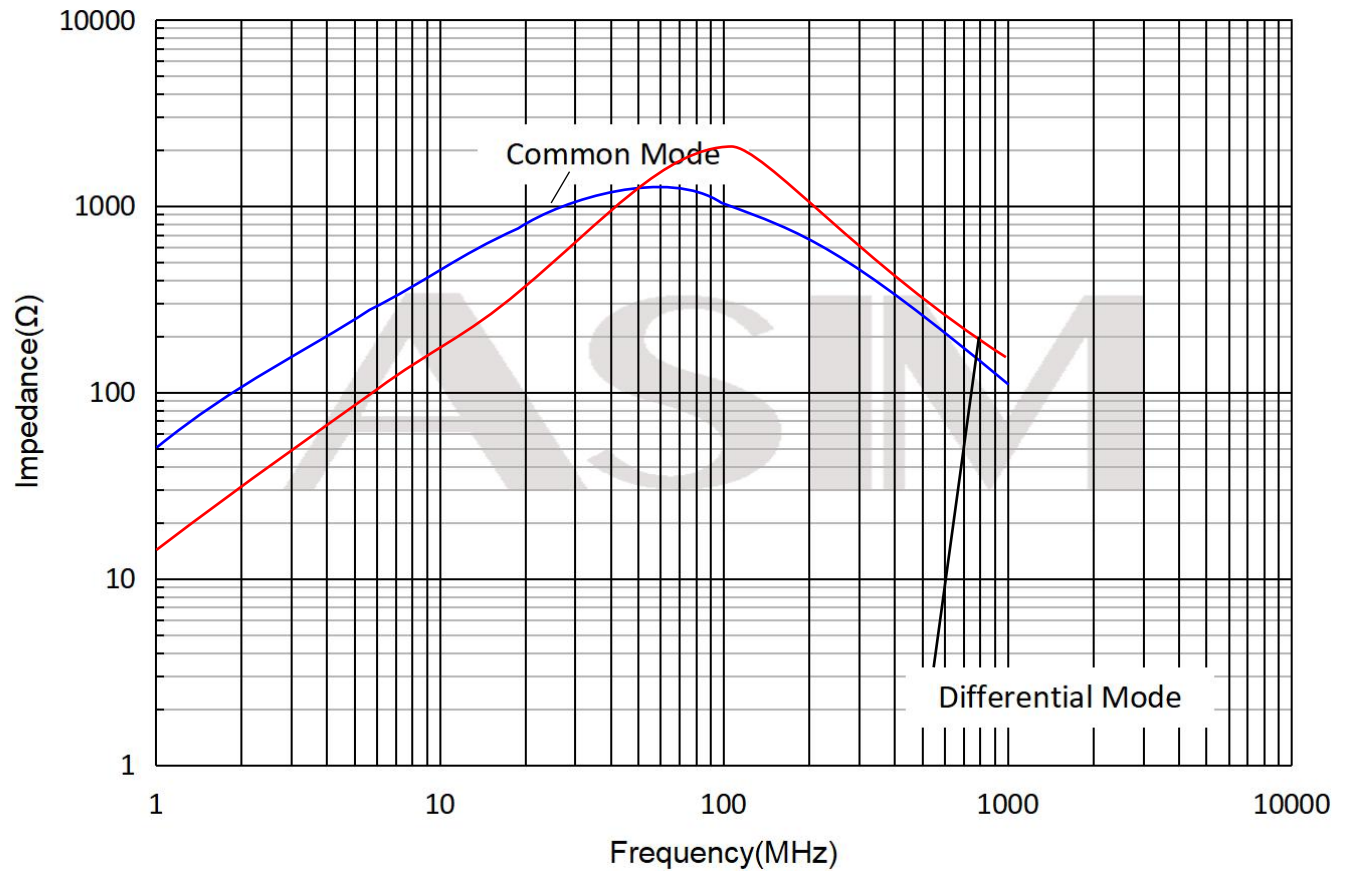
- Surface mountable (multiple case sizes), high current common mode choke for DC power line
- Base terminals are treated, allows for easy mounting on PCB
- Paired wire coil for high stability
- Optimized for transmission of high quality signals
- Operating temperature: -40 °C to +125 °C
- Rated Current: Based on temp. rise; ΔT : 40 °C, typical
- Material categorization: For definitions of compliance please see

APPLICATIONS

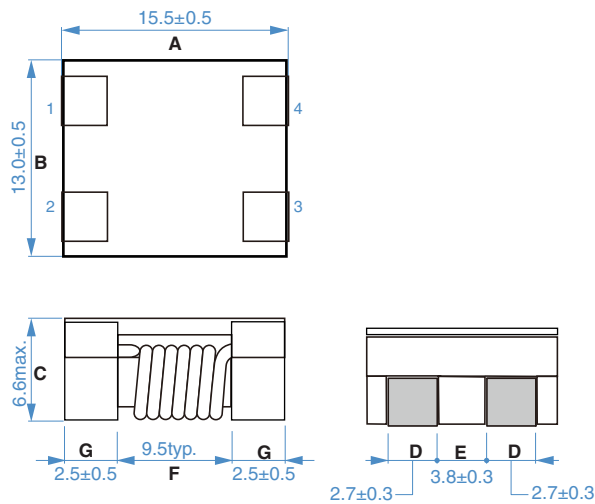
- LAN's, telephones, personal computers
- CD-ROM drives, electronic games
- Other electronic devices

STANDARD ELECTRICAL SPECIFICATIONS					
PART NUMBER	COMMON MODE IMPEDANCE AT 100 MHz (Ω)	RATED VOLTAGE MAX. (V_{DC})	RATED CURRENT MAX. (A)	DC RESISTANCE MAX. (Ω)	INSULATION RESISTANCE MIN. (M Ω)
CMF2N102WPT	1000 $\pm$ 25%	80.0	10.0	0.012	10.0

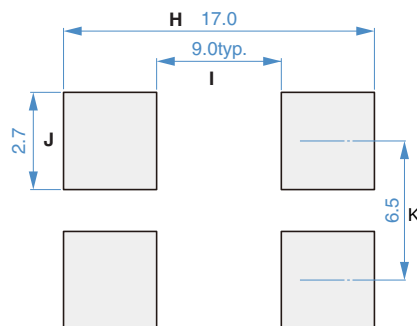
PERFORMANCE GRAPHS: INDUCTANCE AND Q VS. FREQUENCY



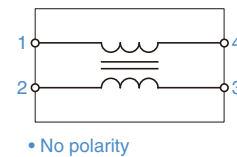
DIMENSIONS in inches [millimeters]



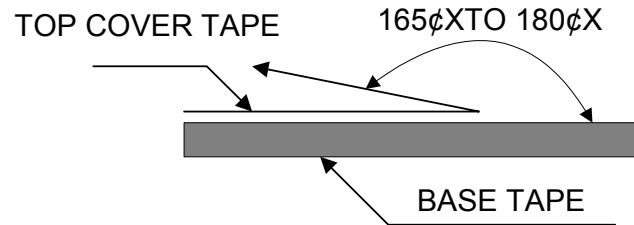
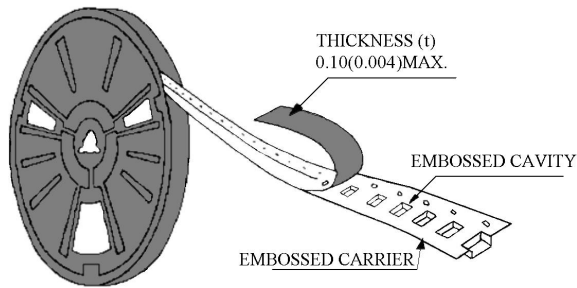
Dimensions in mm



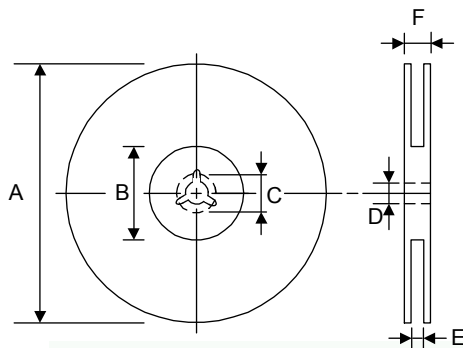
Dimensions in mm



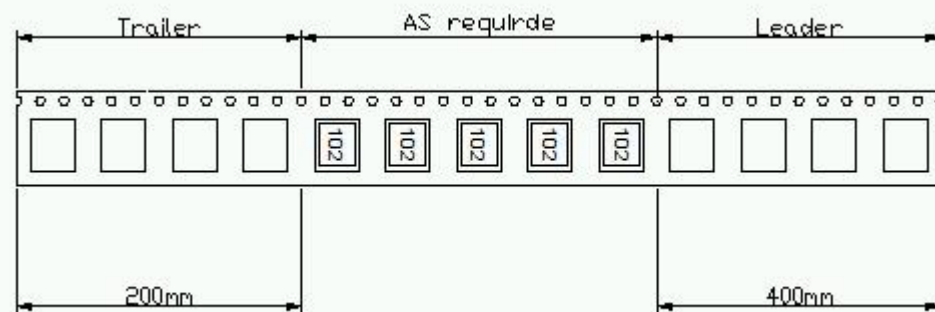
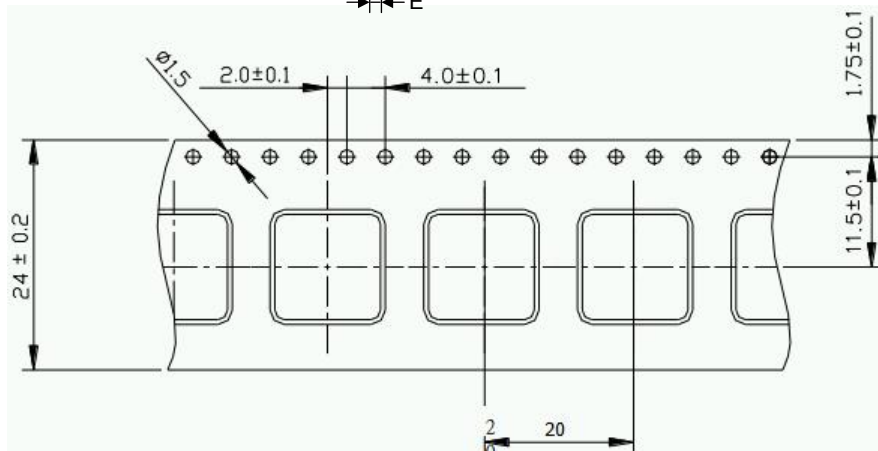
Peel-off Force:



Dimension (Unit: mm):



TYPE	A	B	C	D	E	F
24mm	330	100	21.0±0.8	13.0±1.0	33.0±0.5	34.5 ±2.0



注：使用透明载带，热封上带封装，产品字首朝载带定位孔。

RELIABILITY TEST:

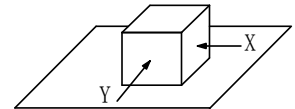
Storage Temperature range : $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

Operating temperature range: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$ (Including coil's self temperature rise)

External appearance : No external defects can be found in the visual inspection.

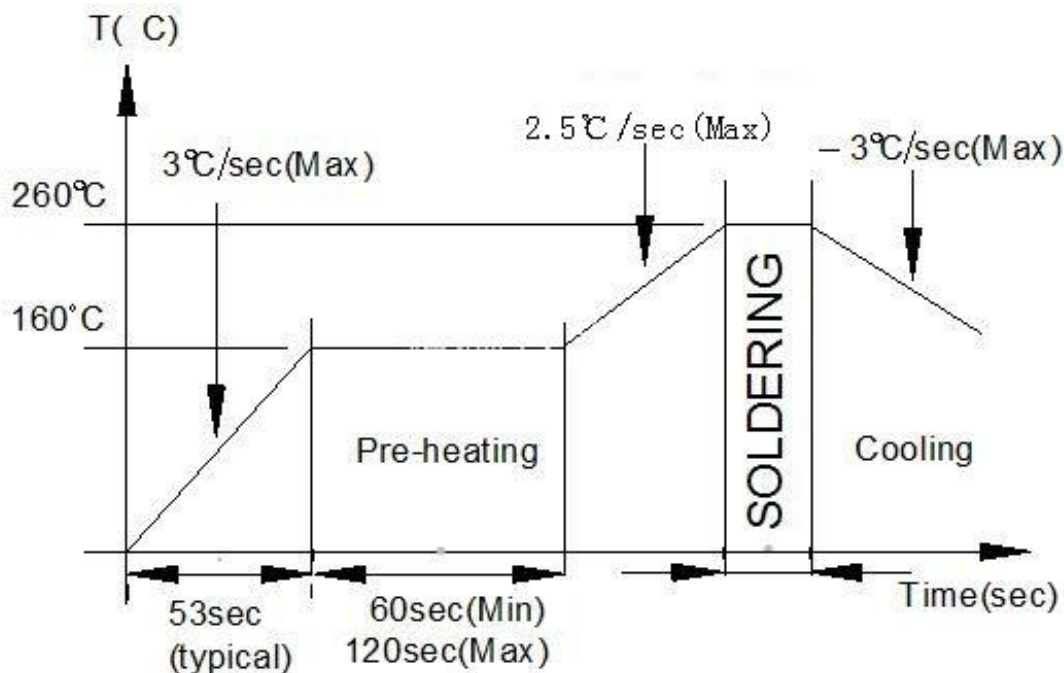
Electrode strength : No electrode detachment should be found when the device is pushed in two directions of X and Y with the force of 10.0N for 10 ± 2 seconds after soldering between copper plate and the electrodes.

(Refer to figure at right)



Vibration test : Inductance deviation is within $\pm 3.0\%$ after 1 hour sweeping vibration in each three directions, namely, forward and backward, up and down, right and left. The frequency is $10 \sim 55 \sim 10\text{Hz}$ and the amplitude of 1 minute cycle is 1.5mm PP.

Recommended Reflow Soldering Profile:



R Reflow soldering :

Preheat at 3°C per second to 160°C and using lead free solder ,
IR at 260°C for 10 seconds.

Rework flow:

Component must withstand two IR reflow cycles with a cool down between cycles.