Panasonic ELC18B221L alternative

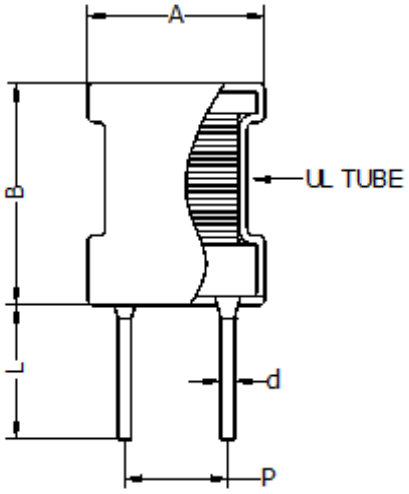
220 µH ±10% Ferrite Leaded Inductor, 2.4A Idc, 90mΩ Rdc, ELC18B

ITEM	DR CHOKES, 220uH+-10%+UL
Part Number	BCE1216H-221KU-L5
ELECTRICAL REQUIREMENTS	INDUCTANCE: 220uH±10% DCR: 0.18Ω MAX Isat Current: 2.4A MAX Irms Current: 2.0A (△T=45℃ typ.)

TEST METHOD:

TEST EQUIPMENT	CH3302 / CH1320
TEST FREQUENCY	10KHz, 0.25V

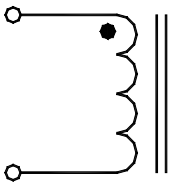
DIMENSION : (UNIT:mm)



A= 14.0m/m MAX
B= 18.5m/m MAX
d= Φ0.80±0.10m/m
L= 5.00±1.00m/m
P= 7.50±0.50m/m

Packing: Bulk
100pcs/package

SCHEMATICS:



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RELIABILITY TEST

1.Operating temperature range

-30 TO + 105℃(Includes temperature when the coil is heated)

2. External appearance

On visual inspection, the coil has no external defects.

3. Terminal strength

Without damage,such as wire breaking or detachment of pin terminals,pulling the terminals for 60 seconds at below conditions.

Tensile static loads 5.on 60sec.

4. Insulating resistance.

Over 100MΩ at 100V D.C. between coil and core.

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}/℃(-25~+80℃).

7. Humidity characteristics

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/s^2 (100G) shock attitude upon a rubber block method shock testing machine, in three different orientations.

10. Resistance to Soldering Heat: 260℃, 10 seconds.

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

Use components within 12 months. If 12 months or more have elapsed, check solderability before use.

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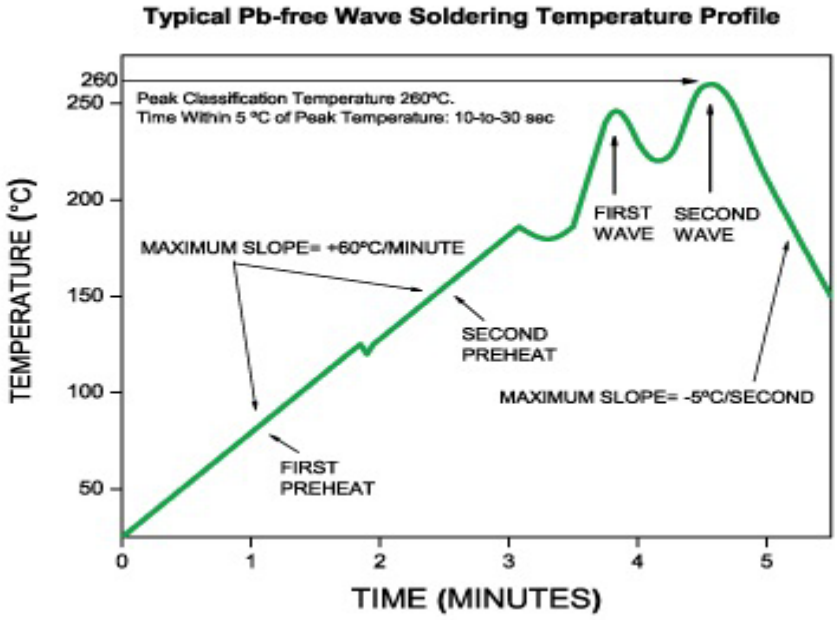
SPECIFICATION

WAVE SOLDERING:



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