

SMD Power Inductors - SESI 32WR High Reliability Applications



- Inductance values: 4.7 μH to 4700 μH
- Current up to 27 Arms and 38 A peak
- Through-hole design
- Materials meet UL94-V0 rating
- Suited for IR and vapor reflow soldering
- Frequency range up to 1 MHz
- Operating temperature range: -55 $^{\circ}\text{C}$ to +85 $^{\circ}\text{C}$
- Weight: 56 grams
- Shielded version upon request

Electrical Data (25 $^{\circ}\text{C}$)

ID Code	$L^{1,2}$ no load μH	$I^{3,5}$ rated A	$L^{2,4}$ at rated I μH	I^5 peak max A	Rdc at 25 $^{\circ}\text{C}$ m Ω Max	Tol.
SESI 32 35K 1PR	35	17	26	20	11.5	30

To Order

SESI 32 ### 1PR

SESI	32	###	1	P	R
SMD Energy Storage Inductor	Size	Value code 35K = 35 μH	Version	Pins through hole	High reliability

Packaging

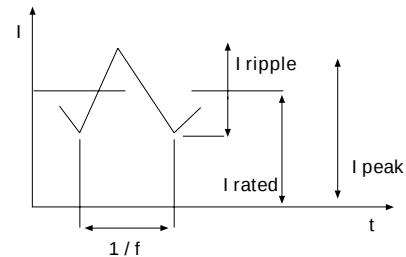
Individually packed 20 parts on 2 layers.

Applications

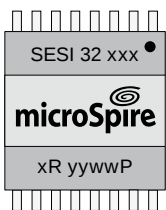
Energy storage, smoothing, filtering.

Notes

1. Inductance at 0.25 V, 100 kHz
2. I rated (permanent DC) without heatsink ;
with heatsink $I = I_{\text{rated}} \times 1.4$
3. Typical inductance value at recommended full load
4. $I_{\text{peak max}}$ = maximum peak value of current at
+85 $^{\circ}\text{C}$; L value not guaranteed
5. 35% admissible I ripple over I rated at $f = 200 \text{ kHz}$
6. Isolation voltage 500 Vdc
- 1 min - $R_i > 1 \text{ G}\Omega$ between winding and magnetic core

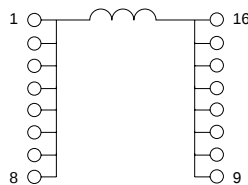


Marking

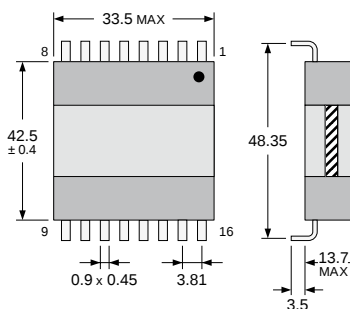


yyww :
Date code

Connections



Dimensions (mm)



PCB Layout (suggested)

