

SMD Power Inductors - SESI 32W/PR High Reliability Applications



- eesa ESCC 3201/009 version upon request
- 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°C to $+125^{\circ}\text{C}$
- Weight: 56 grams
- Shielded version upon request

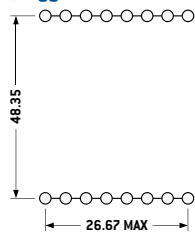
Electrical Data (25°C)

ID Code	L1 no load μH	I ^{2.4} rated A	L ³ at rated I μH	I ^{4.5} peak max A	Rdc at 25°C m Ω Max	Tol.
SESI 32 4K9 1#R	4.9	24.0	3.0	27.6	1.9	30
SESI 32 12K 1#R	12.1	15.5	7.3	17.8	4.4	
SESI 32 22K 1#R	22.5	11.5	13.5	13.2	7.8	
SESI 32 36K 1#R	36.1	9.2	21.75	10.6	13	20
SESI 32 53K 1#R	52.9	7.6	34.2	8.7	18	
SESI 32 73K 1#R	72.9	6.5	47.2	7.5	25	
SESI 32 84K 1#R	84.1	6.0	68.0	6.9	29	10
SESI 32 M11 1#R	109	5.3	88.0	6.1	38.5	
SESI 32 M15 1#R	152	4.5	123	5.2	54.5	
SESI 32 M20 1#R	202	3.9	163	4.5	70	
SESI 32 M26 1#R	260	3.4	210	3.9	89.5	
SESI 32 M35 1#R	348	3.0	281	3.4	117.5	
SESI 32 M45 1#R	476	2.5	385	2.9	160	
SESI 32 M62 1#R	624	2.2	505	2.5	221	
SESI 32 M83 1#R	828	1.9	670	2.2	254	
SESI 32 1M0 1#R	1020	1.7	826	2.0	353	
SESI 32 2M0 1#R	2045	1.2	1650	1.4	665	
SESI 32 4M7 1#R	4709	0.8	3760	0.92	1300	

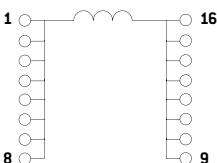
To Order

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

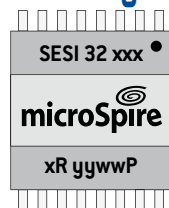
PCB Layout (suggested)



Connections



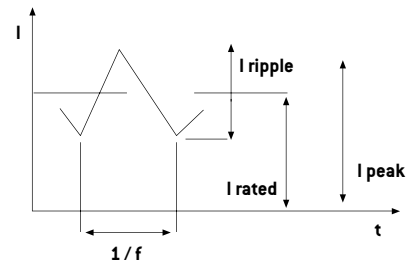
Marking



yyww :
Date code

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 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 $f = 200$ kHz
6. Isolation voltage 500 Vdc
- 1 min - Ri > 1 Ω between winding and magnetic core



Packaging

Individually packed 20 parts on 2 layers.

Applications

Energy storage, smoothing, filtering.

Dimensions (mm)

