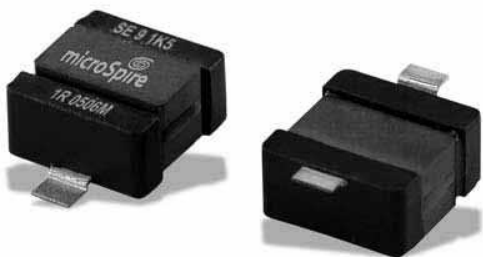


SMD Power Inductors - SESI 9WR High Reliability Applications



- Energy storage, smoothing, filtering
- Applied standards: ECSS-Q-70-02, MIL-STD-202, DO-160
- 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 °C
- Weight: 2 grams

Electrical Data (25°C)

ID Code	L^{12} no load μH	I^{35} rated A	L^{24} at rated I μH	I^5 peak max A	R_{dc} at 25°C m Ω Max	Tol.
SESI 9 1K0 1WR	1.0	6.0	0.6	11.0	8.5	30
SESI 9 1K5 1WR	1.5	5.4	0.9	9.5	11.5	
SESI 9 2K0 2WR	2.0	4.3	1.4	8.2	17.0	
SESI 9 2K6 2WR	2.6	3.6	1.8	7.0	23	20
SESI 9 3K4 2WR	3.4	3.0	2.4	6.2	35	
SESI 9 4K3 2WR	4.3	2.8	3.0	5.5	40	
SESI 9 6K2 2WR	6.2	2.3	4.3	4.3	59	
SESI 9 8K5 2WR	8.5	1.9	6.0	3.7	87	
SESI 9 10K 2WR	10	1.85	7.0	3.4	93	
SESI 9 15K 2WR	15	1.50	10.5	2.8	140	10
SESI 9 18K 2WR	18	1.27	12.6	2.5	192	
SESI 9 22K 2WR	22	1.21	15.4	2.3	215	
SESI 9 26K 2WR	26	1.03	18.2	2.14	290	
SESI 9 33K 2WR	33	0.92	23.1	1.9	350	
SESI 9 47K 2WR	47	0.80	32.9	1.6	470	
SESI 9 66K 2WR	66	0.73	46.2	1.3	565	
SESI 9 81K 2WR	81	0.63	56.7	1.21	745	
SESI 9 M10 2WR	100	0.60	70	1.1	795	
SESI 9 M15 1WR	150	0.53	105	0.8	750	
SESI 9 M22 1WR	220	0.43	154	0.7	1165	
SESI 9 M33 1WR	330	0.36	231	0.6	1475	
SESI 9 M47 1WR	470	0.30	329	0.5	2220	
SESI 9 M68 1WR	680	0.25	477	0.4	3255	
SESI 9 1M0 1WR	1000	0.20	700	0.34	5865	

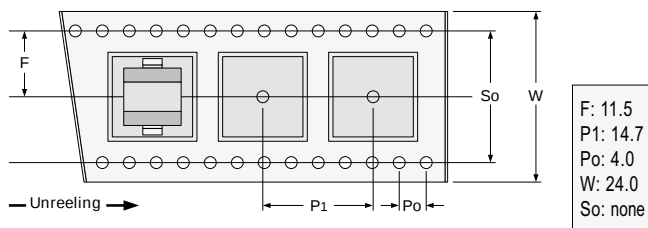
To Order

SESI	9	###	#	W	R
SMD Energy Storage Inductor	Size	Value code 4K3 = 4,3 μH M10 = 100 μH 1M0 = 1000 μH	Version	GW Terminals	High reliability

SESI 9 ### #WR

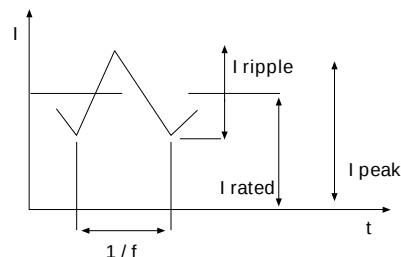
Packaging

Tape and Reel:
700 pieces per reel of diameter 330 mm



Notes

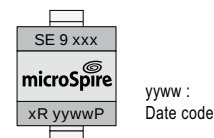
1. Inductance at 0.25 V, 100 kHz
2. I rated (permanent DC) without heatsink ; with heatsink $I = I_{\text{rated}} \times 1.4$
3. Typical inductance value at recommended full load
4. $I_{\text{peak max}}$ = maximum peak value of current at +125 °C; L value not guaranteed
5. 10 % admissible I ripple over I rated at $f = 200 \text{ kHz}$
6. Isolation voltage 150 Vdc
- 1 min - $R_i > 100 \text{ M}\Omega$ between winding and magnetic core



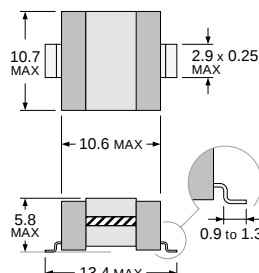
Connections



Marking



Dimensions (mm, top view)



PCB Layout (suggested)

