

SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDR62LCB-62CB SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 3.5A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
- Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

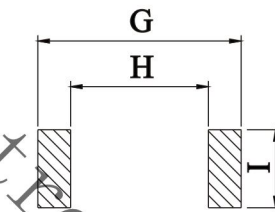
Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDR62LCB-1R2M	1.2	100	0.0298	3.50
SDR62LCB-1R5M	1.5	100	0.0423	2.94
SDR62LCB-2R0M	2.0	100	0.0456	2.47
SDR62LCB-3R3M	3.3	100	0.0680	1.99
SDR62LCB-4R7M	4.7	100	0.0860	1.59
SDR62LCB-6R2M	6.2	100	0.1120	1.49
SDR62LCB-8R2M	8.2	100	0.1380	1.25
SDR62LCB-100M	10	100	0.1720	1.22
SDR62LCB-120M	12	100	0.1900	0.99
SDR62LCB-150M	15	100	0.2480	0.94
SDR62LCB-180M	18	100	0.2640	0.83
SDR62LCB-220M	22	100	0.3300	0.80
SDR62LCB-270M	27	100	0.3640	0.65
SDR62LCB-330M	33	100	0.5600	0.63
SDR62LCB-390M	39	100	0.5800	0.55
SDR62LCB-470M	47	100	0.6900	0.50
SDR62CB-R82M	0.82	100	0.013	3.48
SDR62CB-1R2M	1.2	100	0.018	2.83
SDR62CB-1R8M	1.8	100	0.023	2.44
SDR62CB-2R7M	2.7	100	0.033	1.89
SDR62CB-3R3M	3.3	100	0.043	1.65
SDR62CB-5R6M	5.6	100	0.057	1.37
SDR62CB-100M	10	100	0.097	1.07
SDR62CB-120M	12	100	0.116	0.97
SDR62CB-150M	15	100	0.144	0.87
SDR62CB-180M	18	100	0.163	0.79
SDR62CB-220M	22	100	0.179	0.71
SDR62CB-270M	27	100	0.246	0.64
SDR62CB-330M	33	100	0.304	0.58
SDR62CB-390M	39	100	0.341	0.53
SDR62CB-470M	47	100	0.367	0.48
SDR62CB-560M	56	100	0.438	0.44
SDR62CB-680M	68	100	0.491	0.40
SDR62CB-820M	82	100	0.596	0.36
SDR62CB-101K	100	100	0.917	0.33

Note: 1. K= ± 10%, M= ± 20%, N= ± 30%

TECHNICAL INFORMATION:

- Inductance Testing: HP4284A, HP4285A or equivalent
- RDC: QuadTech 1880 Milliohm meter
- Q- HP4342A
- SRF-HP4191A or HP4194A
- Rated Current L value drop 10% typ. at I_{DC} against its initial value
- Temperature rise 40°C Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave, Reflow
- Operating Temperature: -25°C to +85°C
- Storage Temperature: -55°C to +125°C
- Terminal bending strength: 24.5N Min
- Moisture resistance: ΔL/L ≤ ± 10% ΔQ/Q ≤ ± 25%

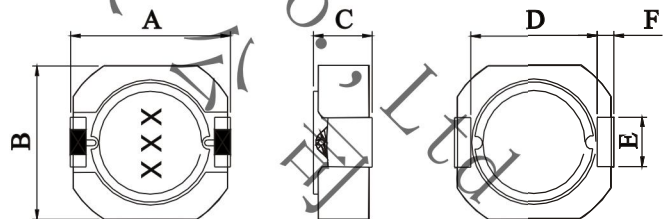
PHYSICAL CHARACTERISTICS:



CONSTRUCTION



LAND PATTERNS



DIMENSIONS IN:mm

Part number	A	B	C	D	E	F	G	H	I
SDR62LCB	6.3Max	6.2Max	2.5Max	4.8	2.0	0.6	6.6	4.6	2.6
SDR62CB	6.3Max	6.2Max	2.0Max	4.8	2.0	0.6	6.6	4.6	2.6

Note: All specifications subject to change without notice.