

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH7032-7045 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 1.9A
- 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:

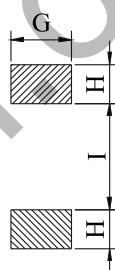
- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH7032-3R3N	3.3	1	0.028	1.90
SDRH7032-4R7N	4.7	1	0.044	1.70
SDRH7032-6R8N	6.8	1	0.050	1.60
SDRH7032-100M	10	1	0.064	1.40
SDRH7032-150M	15	1	0.090	1.10
SDRH7032-220M	22	1	0.132	0.96
SDRH7032-330K	33	1	0.192	0.75
SDRH7032-470M	47	1	0.288	0.67
SDRH7032-680M	68	1	0.372	0.59
SDRH7032-101M	100	1	0.542	0.45
SDRH7032-151M	150	1	0.780	0.37
SDRH7032-221M	220	1	1.260	0.29
SDRH7032-331M	330	1	2.010	0.22
SDRH7032-471M	470	1	2.460	0.20
SDRH7032-681M	680	1	3.780	0.16
SDRH7032-102M	1000	1	5.740	0.13
SDRH7045-3R3N	3.3	1	0.034	2.20
SDRH7045-4R7N	4.7	1	0.038	2.10
SDRH7045-6R8N	6.8	1	0.047	1.90
SDRH7045-100M	10	1	0.057	1.80
SDRH7045-150M	15	1	0.082	1.46
SDRH7045-220M	22	1	0.099	1.25
SDRH7045-330K	33	1	0.144	1.10
SDRH7045-470M	47	1	0.216	0.90
SDRH7045-680M	68	1	0.324	0.75
SDRH7045-101M	100	1	0.468	0.60
SDRH7045-151M	150	1	0.660	0.50
SDRH7045-221M	220	1	0.996	0.40
SDRH7045-331M	330	1	1.380	0.35
SDRH7045-471M	470	1	2.160	0.31

Note: 1. K= ± 10%, M= ± 20%, N= ± 30%

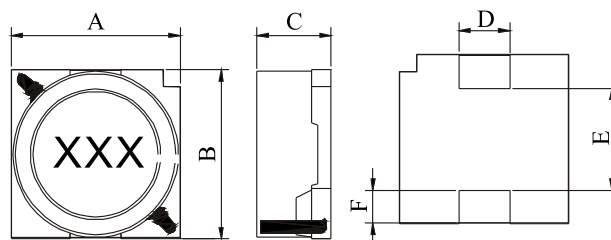
PHYSICAL CHARACTERISTICS



LAND PATTERNS



CONSTRUCTION



TECHNICAL INFORMATION

- Inductor Testing: HP4284A (Equivalent acceptable)
 - DCR: QuadTech 1880 Milliohm meter
 - Q- HP4342A - SRF-HP4191A
 - IDCMax current is decreased 10% against its initial value
 - Operating temperature: -40°C to +105°C
 - Storage Temperature: -40°C to +105°C
 - Solder methods: Vapor Phase, Infrared Reflow
 - Resistance to soldering heat: 260°C for 10 seconds
 - Solvent resistance: Conforms to MIL-STD-202E
 - Marking: Inductance & Tolerance
- Note: All specifications subject to change without notice.

DIMENSIONS IN:mm

Part number	A	B	C	D	E	F	G	H	I
SDRH7032	7.3Max	7.3Max	3.8Max	2.0	4.9	1.1	2.8	2.0	2.0
SDRH7045	7.3Max	7.3Max	4.8Max	2.0	4.9	1.1	2.8	2.0	2.0