

# MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

## SDRH7032 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

### 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

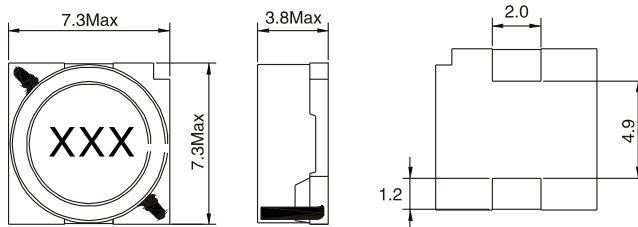
### ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH7032-3R3□	3.3	1	0.028	1.90
SDRH7032-4R7□	4.7	1	0.044	1.70
SDRH7032-6R8□	6.8	1	0.050	1.60
SDRH7032-100□	10	1	0.064	1.40
SDRH7032-150□	15	1	0.090	1.10
SDRH7032-220□	22	1	0.132	0.96
SDRH7032-330□	33	1	0.192	0.75
SDRH7032-470□	47	1	0.288	0.67
SDRH7032-680□	68	1	0.372	0.59
SDRH7032-101□	100	1	0.542	0.45
SDRH7032-151□	150	1	0.780	0.37
SDRH7032-221□	220	1	1.260	0.29
SDRH7032-331□	330	1	2.010	0.22
SDRH7032-471□	470	1	2.460	0.20
SDRH7032-681□	680	1	3.780	0.16
SDRH7032-102□	1000	1	5.740	0.13

□:1. K= ± 10%,M= ± 20%,N= ± 30%

### TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

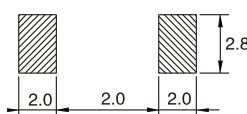
#### DIMENSIONS IN:mm



#### CONSTRUCTION



#### LAND PATTERNS



- 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.