

# MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

## SDRH7045 SERIES



### FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 2.2A
- 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

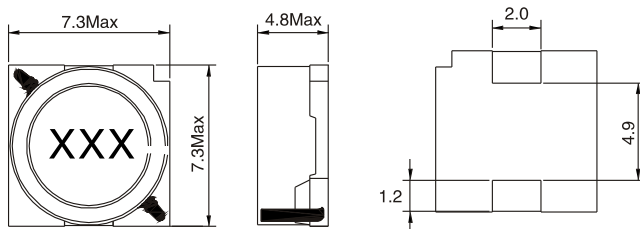
### ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH7045-3R3□	3.3	1	0.034	2.20
SDRH7045-4R7□	4.7	1	0.038	2.10
SDRH7045-6R8□	6.8	1	0.047	1.90
SDRH7045-100□	10	1	0.057	1.80
SDRH7045-150□	15	1	0.082	1.46
SDRH7045-220□	22	1	0.099	1.25
SDRH7045-330□	33	1	0.144	1.10
SDRH7045-470□	47	1	0.216	0.90
SDRH7045-680□	68	1	0.324	0.75
SDRH7045-101□	100	1	0.468	0.60
SDRH7045-151□	150	1	0.660	0.50
SDRH7045-221□	220	1	0.996	0.40
SDRH7045-331□	330	1	1.380	0.35
SDRH7045-471□	470	1	2.160	0.31

□: 1. K= ± 10%, M= ± 20%, N= ± 30%

### TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

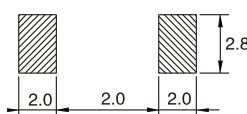
#### DIMENSIONS IN:mm



#### 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.