

# MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

## SDRH105 SERIES



### FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 3.45A
- 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

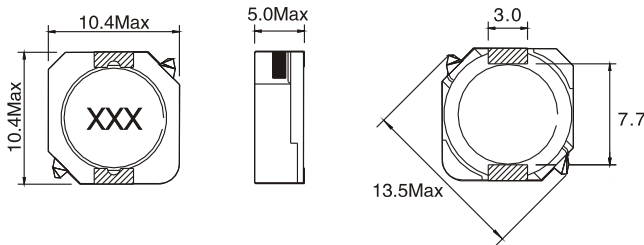
### ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH105-100□	10	100	0.0258	3.45
SDRH105-120□	12	100	0.0320	3.40
SDRH105-150□	15	100	0.0400	2.83
SDRH105-180□	18	100	0.0460	2.62
SDRH105-220□	22	100	0.0585	2.44
SDRH105-270□	27	100	0.0654	2.24
SDRH105-330□	33	100	0.0814	1.88
SDRH105-390□	39	100	0.1031	1.70
SDRH105-470□	47	100	0.1221	1.56
SDRH105-560□	56	100	0.1448	1.39
SDRH105-680□	68	100	0.1930	1.36
SDRH105-820□	82	100	0.2194	1.20
SDRH105-101□	100	100	0.2470	1.09
SDRH105-121□	120	100	0.2984	1.00
SDRH105-151□	150	100	0.3551	0.91
SDRH105-181□	180	100	0.3943	0.84
SDRH105-221□	220	100	0.4838	0.75
SDRH105-271□	270	100	0.6325	0.68
SDRH105-331□	330	100	0.7800	0.60
SDRH105-391□	390	100	0.9575	0.57
SDRH105-471□	470	100	1.2204	0.50
SDRH105-561□	560	100	1.3524	0.47
SDRH105-681□	680	100	1.5192	0.43
SDRH105-821□	820	100	1.6944	0.39
SDRH105-102□	1000	100	1.9464	0.35

□: 1. K= ± 10%, M= ± 20%, N= ± 30%

### TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

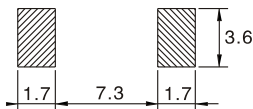
#### DIMENSIONS IN:mm



#### CONSTRUCTION



#### LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)  
DCR: QuadTech 1880 Milliohmeter  
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.