

# MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

## SDRH6025-6028 SERIES

### FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 2.7A
- 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:

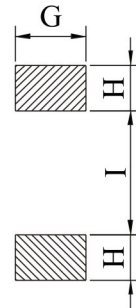
- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

### ELECTRICAL CHARACTERISTICS

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH6025-1R0N	1.0	100	0.016	2.70
SDRH6025-2R7N	2.7	100	0.022	1.80
SDRH6025-4R7N	4.7	100	0.037	1.50
SDRH6025-6R8N	6.8	100	0.054	1.30
SDRH6025-100M	10	100	0.069	1.00
SDRH6025-150M	15	100	0.102	0.88
SDRH6025-220M	22	100	0.147	0.73
SDRH6025-330K	33	100	0.216	0.69
SDRH6025-470M	47	100	0.288	0.48
SDRH6025-680K	68	100	0.444	0.42
SDRH6025-101M	100	100	0.600	0.33
SDRH6028-4R7N	4.7	1	0.035	1.60
SDRH6028-6R8N	6.8	1	0.043	1.50
SDRH6028-100M	10	1	0.064	1.30
SDRH6028-150M	15	1	0.090	1.00
SDRH6028-220M	22	1	0.125	0.77
SDRH6028-330K	33	1	0.178	0.69
SDRH6028-470M	47	1	0.252	0.59
SDRH6028-680K	68	1	0.348	0.50
SDRH6028-101M	100	1	0.516	0.42

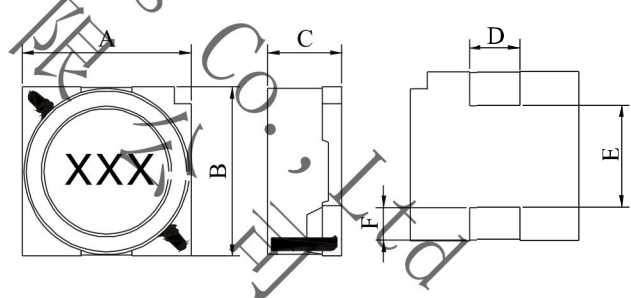
Note: 1. K= ± 10%, M= ± 20%, N= ± 30%

### 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
SDRH6025	6.3Max	6.3Max	2.8Max	2.0	4.0	1.2	2.8	2.0	2.0
SDRH6028	6.3Max	6.3Max	3.1Max	2.0	4.0	1.2	2.8	2.0	2.0