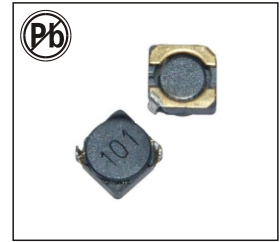


# MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

## SDRH5D18 SERIES



### FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 3.86A
- 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

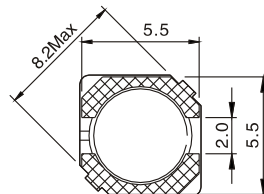
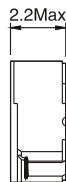
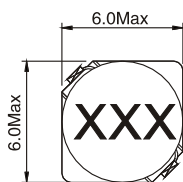
### ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
SDRH5D18-1R0□	1.0	10	0.028	3.86
SDRH5D18-1R5□	1.5	10	0.036	3.12
SDRH5D18-2R2□	2.2	10	0.043	2.63
SDRH5D18-2R7□	2.7	10	0.051	2.38
SDRH5D18-3R5□	3.5	10	0.063	1.95
SDRH5D18-4R7□	4.7	10	0.072	1.76
SDRH5D18-5R6□	5.6	10	0.083	1.60
SDRH5D18-6R8□	6.8	10	0.102	1.40
SDRH5D18-8R2□	8.2	10	0.116	1.25
SDRH5D18-100□	10	10	0.124	1.20
SDRH5D18-120□	12	10	0.162	1.10
SDRH5D18-150□	15	10	0.204	0.97
SDRH5D18-180□	18	10	0.226	0.85
SDRH5D18-220□	22	10	0.265	0.80
SDRH5D18-270□	27	10	0.320	0.75
SDRH5D18-330□	33	10	0.380	0.65
SDRH5D18-390□	39	10	0.496	0.57
SDRH5D18-470□	47	10	0.525	0.54
SDRH5D18-560□	56	10	0.795	0.50
SDRH5D18-680□	68	10	0.860	0.43
SDRH5D18-820□	82	10	0.980	0.41
SDRH5D18-101□	100	10	1.250	0.36

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

### TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

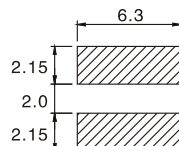
DIMENSIONS IN:mm



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.