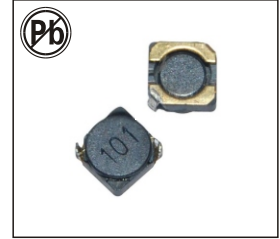


# MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

## SDRH6D28 SERIES



### FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 3.0A
- 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

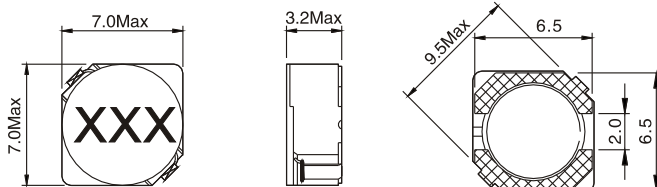
### ELECTRICAL CHARACTERISTICS:

Part Number	L μ H	Test Freq KHz	DCR mΩ Max	IDC Max A
SDRH6D28-3R0□	3.0	10	24	3.00
SDRH6D28-3R9□	3.9	10	27	2.60
SDRH6D28-5R0□	5.0	10	31	2.40
SDRH6D28-6R0□	6.0	10	35	2.25
SDRH6D28-7R3□	7.3	10	54	2.10
SDRH6D28-8R6□	8.6	10	58	1.85
SDRH6D28-100□	10	10	65	1.70
SDRH6D28-120□	12	10	70	1.55
SDRH6D28-150□	15	10	84	1.40
SDRH6D28-180□	18	10	95	1.32
SDRH6D28-220□	22	10	128	1.20
SDRH6D28-270□	27	10	142	1.05
SDRH6D28-330□	33	10	165	0.97
SDRH6D28-390□	39	10	210	0.86
SDRH6D28-470□	47	10	238	0.80
SDRH6D28-560□	56	10	277	0.73
SDRH6D28-680□	68	10	304	0.65
SDRH6D28-820□	82	10	390	0.60
SDRH6D28-101□	100	10	535	0.54

□:1. K= ± 10%,M= ± 20%,N= ± 30%

### TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

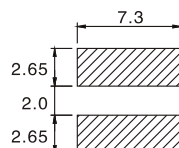
DIMENSIONS IN:mm



CONSTRUCTION



LAND PATTERNS



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