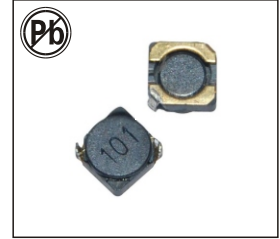


# MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

## SDRH5D28 SERIES



### FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 2.6A
- 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

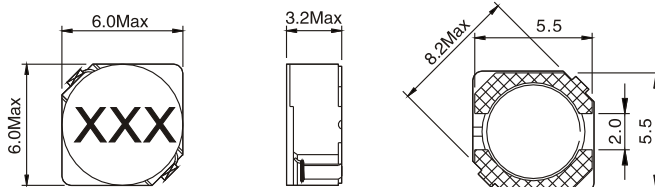
### ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
SDRH5D28-2R5□	2.5	10	0.018	2.60
SDRH5D28-3R0□	3.0	10	0.024	2.40
SDRH5D28-4R2□	4.2	10	0.031	2.20
SDRH5D28-5R3□	5.3	10	0.038	1.90
SDRH5D28-6R2□	6.2	10	0.045	1.80
SDRH5D28-8R2□	8.2	10	0.053	1.60
SDRH5D28-100□	10	10	0.065	1.30
SDRH5D28-120□	12	10	0.076	1.20
SDRH5D28-150□	15	10	0.103	1.10
SDRH5D28-180□	18	10	0.110	1.00
SDRH5D28-220□	22	10	0.112	0.90
SDRH5D28-270□	27	10	0.175	0.85
SDRH5D28-330□	33	10	0.189	0.75
SDRH5D28-390□	39	10	0.212	0.70
SDRH5D28-470□	47	10	0.250	0.62
SDRH5D28-560□	56	10	0.305	0.58
SDRH5D28-680□	68	10	0.355	0.52
SDRH5D28-820□	82	10	0.463	0.46
SDRH5D28-101□	100	10	0.520	0.42

□: 1. K= ± 10%, M= ± 20%, N= ± 30%

### TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

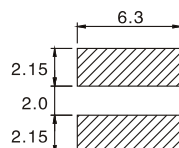
#### DIMENSIONS IN:mm



#### 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.