



# SDRH7028-7030 SERIES

## Magnetic Shielded SMD Power Inductors

### FEATURES

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 1.6A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

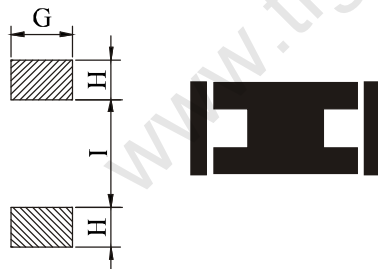
### OPTIONS

- Packaging: Tape & Reel is standard (Qty:2000pcs)
- Bulk packaging available for smaller quantities
- Tolerance: 10% and 5% is standard
- Lower tolerances available

### APPLICATIONS

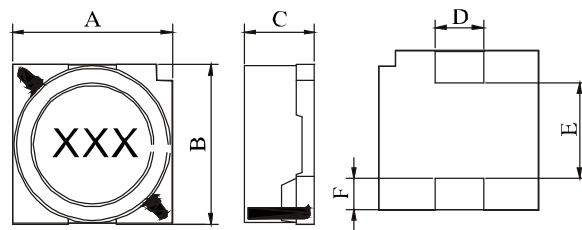
- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

Part Number	L (μH)	Test Freq. KHz	DCR Ohm Max.	IDC max. A
SDRH7028-3R3N	3.3	1	0.045	1.60
SDRH7028-4R7N	4.7	1	0.054	1.50
SDRH7028-6R8N	6.8	1	0.071	1.30
SDRH7028-100M	10	1	0.100	1.10
SDRH7028-150M	15	1	0.156	0.88
SDRH7028-220M	22	1	0.216	0.75
SDRH7028-330K	33	1	0.288	0.65
SDRH7028-470M	47	1	0.408	0.54
SDRH7030-3R3N	3.3	1	0.028	1.80
SDRH7030-4R7N	4.7	1	0.044	1.60
SDRH7030-6R8N	6.8	1	0.050	1.50
SDRH7030-100M	10	1	0.064	1.30
SDRH7030-150M	15	1	0.110	1.00
SDRH7030-220M	22	1	0.132	0.86
SDRH7030-330K	33	1	0.192	0.65
SDRH7030-470M	47	1	0.288	0.57
SDRH7030-680M	68	1	0.372	0.49
SDRH7030-101M	100	1	0.540	0.35



LAND PATTERNS

CONSTRUCTION



- Inductor Testing: HP4284A (Equivalent acceptable)
- DCR: QuadTech 1880 Milliohmmer
- 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
SDRH7028	7.3Max	7.3Max	3.2Max	2.0	4.9	1.1	2.8	2.0	2.0
SDRH7030	7.3Max	7.3Max	3.4Max	2.0	4.9	1.1	2.8	2.0	2.0