

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH5020 SERIES



FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 2.15A
- 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

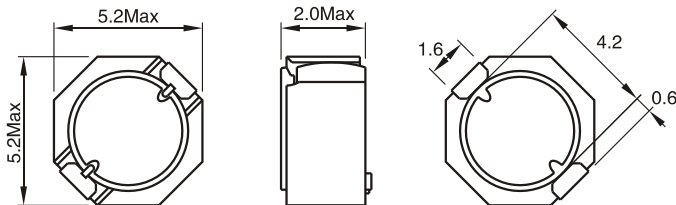
ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SDRH5020-1R2□	1.2	100	0.044	2.15
SDRH5020-2R2□	2.2	100	0.059	1.63
SDRH5020-3R3□	3.3	100	0.062	1.50
SDRH5020-4R7□	4.7	100	0.087	1.14
SDRH5020-6R8□	6.8	100	0.105	0.95
SDRH5020-8R2□	8.2	100	0.139	0.90
SDRH5020-100□	10	1	0.150	0.76
SDRH5020-150□	15	1	0.210	0.63
SDRH5020-220□	22	1	0.275	0.56
SDRH5020-330□	33	1	0.455	0.44
SDRH5020-470□	47	1	0.730	0.35
SDRH5020-680□	68	1	0.935	0.30
SDRH5020-101□	100	1	1.500	0.23
SDRH5020-121□	120	1	1.910	0.22
SDRH5020-151□	150	1	2.680	0.21
SDRH5020-181□	180	1	3.040	0.20
SDRH5020-221□	220	1	3.520	0.195
SDRH5020-271□	270	1	4.380	0.193
SDRH5020-331□	330	1	5.560	0.190
SDRH5020-471□	470	1	7.820	0.180

□:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

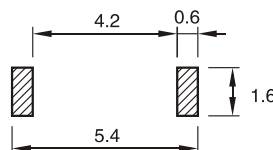
DIMENSIONS IN:mm



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.