

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

SDRH8D43 SERIES



FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 6.4A
- 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

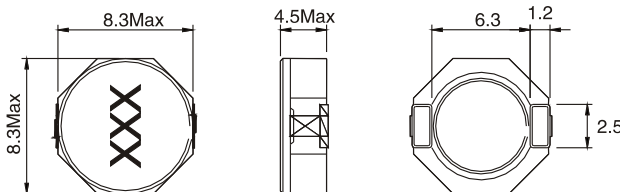
ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR mΩ Max	IDC Max A
SDRH8D43-2R0□	2.0	100	14	6.4
SDRH8D43-3R9□	3.9	100	19	5.0
SDRH8D43-4R7□	4.7	100	22	4.6
SDRH8D43-6R8□	6.8	100	32	4.2
SDRH8D43-100□	10	100	40	3.6
SDRH8D43-150□	15	100	58	2.6
SDRH8D43-220□	22	100	96	2.1
SDRH8D43-330□	33	100	144	1.6
SDRH8D43-470□	47	100	195	1.4
SDRH8D43-680□	68	100	240	1.2
SDRH8D43-101□	100	100	360	0.9

□:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

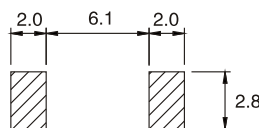
DIMENSIONS IN:mm



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.