

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS FASDRH7032-7045 SERIES



FEATURES:

Magnetically Shielded Structure
Low DC Resistance
Large current up to 1.9A
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
tighter tolerances available

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 ohm Max	IDC Max A
FASDRH7032-3R3N	3.3	1	0.028	1.90
FASDRH7032-4R7N	4.7	1	0.044	1.70
FASDRH7032-6R8N	6.8	1	0.050	1.60
FASDRH7032-100M	10	1	0.064	1.40
FASDRH7032-150M	15	1	0.080	1.10
FASDRH7032-220M	22	1	0.132	0.96
FASDRH7032-330M	33	1	0.192	0.75
FASDRH7032-470M	47	1	0.268	0.67
FASDRH7032-680M	68	1	0.372	0.59
FASDRH7032-101M	100	1	0.542	0.45
FASDRH7032-151M	150	1	0.780	0.37
FASDRH7032-221M	220	1	1.260	0.29
FASDRH7032-331M	330	1	2.010	0.22
FASDRH7032-471M	470	1	2.460	0.20
FASDRH7032-681M	680	1	3.780	0.16
FASDRH7032-102M	1000	1	5.740	0.13
FASDRH7045-3R3N	3.3	1	0.034	2.20
FASDRH7045-4R7N	4.7	1	0.038	2.10
FASDRH7045-6R8N	6.8	1	0.047	1.90
FASDRH7045-100M	10	1	0.057	1.80
FASDRH7045-150M	15	1	0.082	1.46
FASDRH7045-220M	22	1	0.089	1.25
FASDRH7045-330M	33	1	0.144	1.10
FASDRH7045-470M	47	1	0.216	0.90
FASDRH7045-680M	68	1	0.324	0.75
FASDRH7045-101M	100	1	0.466	0.60
FASDRH7045-151M	150	1	0.660	0.50
FASDRH7045-221M	220	1	0.896	0.40
FASDRH7045-331M	330	1	1.390	0.35
FASDRH7045-471M	470	1	2.160	0.31

Note:1. K=±10%,M=±20%,N=±30%

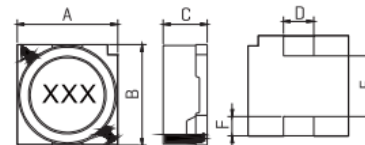
TECHNICAL INFORMATION

Inductance Testing: HP4284A (Equivalent acceptable)
DCR:QuadTech 1880 Milliohm-meter
Q: HP4342A - SRF-HP43191A
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 second
Solvent resistance: Conforms to MIL-STD-202E
Marking: Inductance & Tolerance
Note: All specifications subject to change without notice

PHYSICAL CHARACTERISTICS



LAND PATTERNS CONSTRUCTION



DIMENSIONS IN: mm

Part number	A	B	C	D	E	F	G	H	I
FASDRH7032	7.3Max	7.3Max	3.0Max	2.0	4.9	1.1	2.8	2.0	2.0
FASDRH7045	7.3Max	7.3Max	4.0Max	2.0	4.9	1.1	2.8	2.0	2.0