

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS FASDRH12565-12575 SERIES



FEATURES:

Magnetically Shielded Structure
Low DC Resistance
Large current up to 6.2A
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:

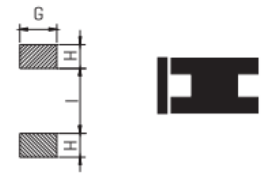
VCRs, Notebook, DC/DC Converters
Video Digital Cameras
Communication System
Automotive Systems Power supplier
LCD PDP Televisions
Hard Disk Drives, Topset, XDSL
Network Systems
Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

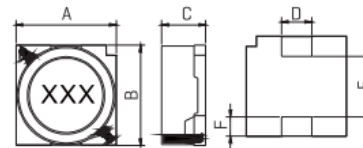
Part Number	L (μH)	Test Freq (kHz)	DCR ohm Max	IDC Max A
FASDRH12565-2R2N	2.2	1	0.014	6.20
FASDRH12565-4R2N	4.2	1	0.018	5.50
FASDRH12565-7R0N	7.0	1	0.022	5.00
FASDRH12565-100M	10	1	0.025	4.80
FASDRH12565-150M	15	1	0.029	4.40
FASDRH12565-220M	22	1	0.038	3.80
FASDRH12565-330M	33	1	0.049	3.40
FASDRH12565-470M	47	1	0.070	2.80
FASDRH12565-680M	68	1	0.095	2.40
FASDRH12565-101M	100	1	0.150	1.90
FASDRH12565-151M	150	1	0.260	1.40
FASDRH12565-221M	220	1	0.330	1.20
FASDRH12565-331M	330	1	0.600	0.95
FASDRH12575-1R2N	1.2	1	0.009	6.20
FASDRH12575-2R7N	2.7	1	0.012	7.00
FASDRH12575-3R6N	3.9	1	0.013	6.70
FASDRH12575-5R6N	5.6	1	0.014	6.30
FASDRH12575-6R8N	6.8	1	0.016	5.90
FASDRH12575-100M	10	1	0.019	5.40
FASDRH12575-150M	15	1	0.023	5.00
FASDRH12575-220M	22	1	0.032	4.00
FASDRH12575-330M	33	1	0.048	3.20
FASDRH12575-470M	47	1	0.064	2.70
FASDRH12575-680M	68	1	0.094	2.30
FASDRH12575-101M	100	1	0.150	1.90
FASDRH12575-151M	150	1	0.210	1.50
FASDRH12575-221M	220	1	0.310	1.30
FASDRH12575-331M	330	1	0.410	1.00

Note: 1. K=±10%, M=±20%, N=±30%

PHYSICAL CHARACTERISTICS



LAND PATTERNS CONSTRUCTION



TECHNICAL INFORMATION

Inductance Testing: HP4284A (Equivalent acceptable)
DCR: QuadTech 1880 Milliohm meter
Q: HP4242A - SRF: HP4391A
IDC Max: 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
FASDRH12565	12.8Max	12.8Max	6.8Max	3.0	8.6	2.0	3.8	2.5	8.5
FASDRH12575	12.8Max	12.8Max	7.8Max	3.0	8.6	2.0	3.8	2.5	8.5