

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS FASDRH10145-12555 SERIES



FEATURES:

Magnetically Shielded Structure
Low DC Resistance
Large current up to 3.7A
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

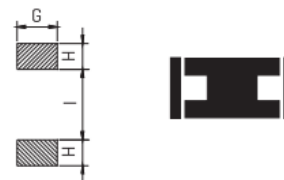
Part Number	L [μ H]	Test Freq [kHz]	DCR ohm Max	IDC Max A
FASDRH10145-3R3N	3.3	1	0.020	3.70
FASDRH10145-5R6N	5.6	1	0.027	3.20
FASDRH10145-100M	10	1	0.044	2.50
FASDRH10145-150M	15	1	0.057	2.20
FASDRH10145-220M	22	1	0.070	1.90
FASDRH10145-330K	33	1	0.100	1.70
FASDRH10145-470M	47	1	0.120	1.50
FASDRH10145-680M	68	1	0.168	1.30
FASDRH10145-101M	100	1	0.240	1.10
FASDRH10145-151M	150	1	0.320	0.81
FASDRH10145-221M	220	1	0.564	0.70
FASDRH10145-331M	330	1	0.816	0.58
FASDRH10145-471M	470	1	1.236	0.47
FASDRH10145-681M	680	1	1.820	0.38
FASDRH10145-102M	1000	1	3.360	0.29
FASDRH10145-122M	1200	1	3.600	0.25
FASDRH10145-152M	1500	1	4.080	0.22
FASDRH12555-6R0N	6.0	1	0.020	3.60
FASDRH12555-100M	10	1	0.026	3.40
FASDRH12555-150M	15	1	0.032	2.80
FASDRH12555-220M	22	1	0.041	2.30
FASDRH12555-330M	33	1	0.050	1.90
FASDRH12555-470M	47	1	0.075	1.60
FASDRH12555-680M	68	1	0.100	1.30
FASDRH12555-101M	100	1	0.150	1.10
FASDRH12555-151M	150	1	0.230	0.88
FASDRH12555-221M	220	1	0.330	0.72
FASDRH12555-331M	330	1	0.492	0.58
FASDRH12555-471M	470	1	0.624	0.48
FASDRH12555-681M	680	1	0.912	0.40
FASDRH12555-102M	1000	1	1.344	0.34
FASDRH12555-152M	1500	1	2.076	0.29

Note 1. K= \pm 10%, M= \pm 20%, N= \pm 30%

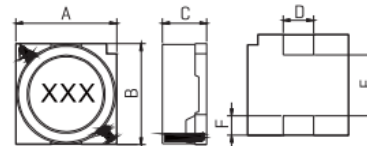
DIMENSIONS IN: mm

Part number	A	B	C	D	E	F	G	H	I
FASDRH10145	10.4Max	10.4Max	4.8Max	3.0	6.0	2.0	3.8	2.5	5.8
FASDRH12555	12.8Max	12.8Max	5.8Max	3.0	8.6	2.0	3.8	2.5	8.5

PHYSICAL CHARACTERISTICS



LAND PATTERNS CONSTRUCTION



TECHNICAL INFORMATION

Inductance Testing: HP4284A (Equivalent acceptable)
DCR: QuadTech 1880 Milliohmeter
Q: HP4342A - SRF - HP4191A
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 second
Solvent resistance: Conforms to MIL-STD-202E
Marking: Inductance & Tolerance
Note: All specifications subject to change without notice.