

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS FASDRH8D28-8D43 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

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:

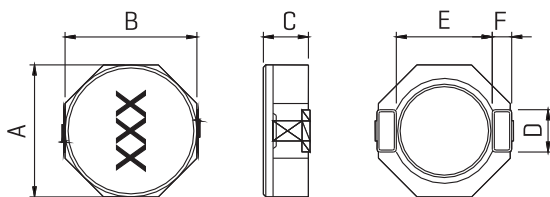
VCRs, Notebook, DC/DC Converters
Video Digital Cameras
Communication System
Automotive Systems Power supplier
LCD PDP Televisions
Hard Disk Drives, Topset, XDSL
Network Systems
Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

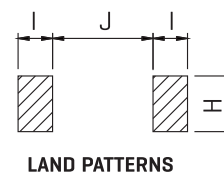
| Part Number | L μ H | Test Freq KHz | DCR mohm Max | IDC Max A | Part Number | L μ H | Test Freq KHz | DCR mohm Max | IDC Max A |
|-----------------|-----------|---------------|--------------|-----------|-----------------|-----------|---------------|--------------|-----------|
| FASDRH8D28-2R5N | 2.5 | 100 | 18.5 | 5.4 | FASDRH8D43-2R0N | 2.0 | 100 | 14 | 6.4 |
| FASDRH8D28-3R3N | 3.3 | 100 | 24.6 | 4.8 | FASDRH8D43-3R9N | 3.9 | 100 | 19 | 5.0 |
| FASDRH8D28-4R7N | 4.7 | 100 | 36.8 | 4.0 | FASDRH8D43-4R7N | 4.7 | 100 | 22 | 4.6 |
| FASDRH8D28-6R8N | 6.8 | 100 | 48.4 | 3.2 | FASDRH8D43-6R8N | 6.8 | 100 | 32 | 4.2 |
| FASDRH8D28-100N | 100 | 100 | 62.2 | 2.7 | FASDRH8D43-100N | 10 | 100 | 40 | 3.6 |
| FASDRH8D28-150N | 150 | 100 | 93.5 | 2.2 | FASDRH8D43-150N | 15 | 100 | 58 | 2.6 |
| FASDRH8D28-220N | 220 | 100 | 156.6 | 1.8 | FASDRH8D43-220N | 22 | 100 | 96 | 2.1 |
| FASDRH8D28-330N | 330 | 100 | 205.2 | 1.4 | FASDRH8D43-330N | 33 | 100 | 144 | 1.6 |
| FASDRH8D28-470N | 470 | 100 | 266.1 | 1.25 | FASDRH8D43-470N | 47 | 100 | 195 | 1.4 |
| FASDRH8D28-680N | 680 | 100 | 368.5 | 0.96 | FASDRH8D43-680N | 68 | 100 | 240 | 1.2 |
| FASDRH8D28-101N | 101 | 100 | 610.8 | 0.78 | FASDRH8D43-101N | 100 | 100 | 360 | 0.9 |

Note: 1. K=±10%, M=±20%, N=±30%

TECHNICAL INFORMATION:



PHYSICAL CHARACTERISTICS:



CONSTRUCTION



Inductance Testing: HP4284A (Equivalent acceptable)
DCR: QuadTech 1880 Milliohmmeter
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.

DIMENSIONS IN: mm

| Part number | A | B | C | D | E | F | H | I | J |
|-------------|--------|--------|--------|-----|-----|-----|-----|-----|-----|
| FASDRH8D28 | 8.3Max | 8.3Max | 3.0Max | 2.5 | 6.3 | 1.2 | 2.8 | 2.0 | 6.1 |
| FASDRH8D43 | 8.3Max | 8.3Max | 4.5Max | 2.5 | 6.3 | 1.2 | 2.8 | 2.0 | 6.1 |