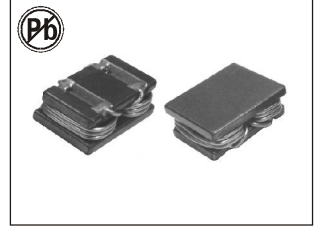


SURFACE-MOUNT COMMON MODE CHOKES

SQD 75T,83T,105T,125T SERIES



FEATURES:

- Ferrite Core bobbin construction
- High frequency and Large current
- Excellent Mechanical Strength
- Excellent Solderability
- Excellent Frequency performance
- Low Profile and Low cost

OPTIONS:

- Packaging: Tape & Reel is standard (Qty:2000pcs)
- Bulk packaging available for smaller quantities
- Tolerance: 20% is standard, tighter tolerances available

COMMON APPLICATIONS:

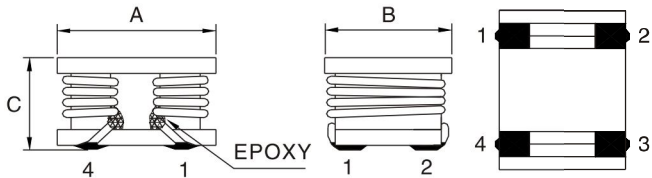
- DC/DCAC/DC convertor
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Hard Disk Drives
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

| Part Number | Common Mode Impedance@100MHz (Ω) Typical | IDC (A) Max | DCR (mΩ) Max |
|-------------|--|-------------|--------------|
| SQD75T-601 | 600 | 4.0 | 15 |
| SQD75T-102 | 1000 | 3.0 | 17 |
| SQD75T-122 | 1200 | 3.0 | 25 |
| SQD75T-152 | 1500 | 2.0 | 40 |
| SQD83T-501 | 500 | 3.0 | 18 |
| SQD83T-801 | 800 | 2.0 | 28 |
| SQD83T-102 | 1000 | 1.5 | 58 |
| SQD105T-401 | 400 | 7.0 | 5 |
| SQD105T-751 | 750 | 5.0 | 10 |
| SQD105T-102 | 1000 | 4.0 | 15 |
| SQD125T-901 | 900 | 10.0 | 10 |
| SQD125T-102 | 1000 | 7.0 | 15 |
| SQD125T-122 | 1200 | 5.0 | 25 |

Note: 1. K= ± 10%, M= ± 20%, N= ± 30%

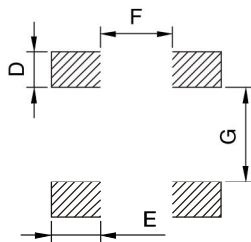
TECHNICAL INFORMATION:



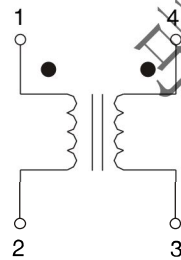
- Inductance Testing: 1KHz 1V HP4284A
- Z test with HP4191A or HP4395A
- RDC: QuadTech 1880 Milliohm meter
- Operating temperature: -40°C to +105°C
- Storage Temperature: -40°C to +105°C
- Resistance to soldering heat: 260°C for 10 seconds
- Marking: Part number and date code
- Note: All specifications subject to change without notice.

PHYSICAL CHARACTERISTICS:

LAND PATTERNS



DIMENSIONS IN: mm



| Type | A | B | C | D | E | F | G |
|---------|------------|------------|-----------|-----|-----|-----|-----|
| SQD75T | 7.5 ± 0.3 | 8.8 ± 0.3 | 5.0 ± 0.3 | 2.0 | 2.8 | 2.6 | 1.4 |
| SQD83T | 8.0 Max | 6.5 Max | 3.5 Max | 2.0 | 2.0 | 2.0 | 2.6 |
| SQD105T | 10.5 Max | 8.5 Max | 5.5 Max | 2.1 | 2.4 | 2.9 | 3.9 |
| SQD125T | 12.0 ± 0.3 | 10.0 ± 0.3 | 4.5 ± 0.3 | 2.6 | 3.0 | 3.0 | 4.4 |