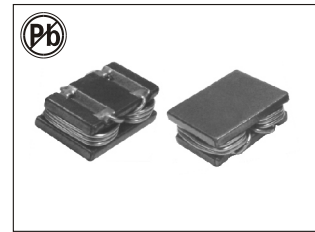


SURFACE-MOUNT COMMON MODE CHOKES

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:

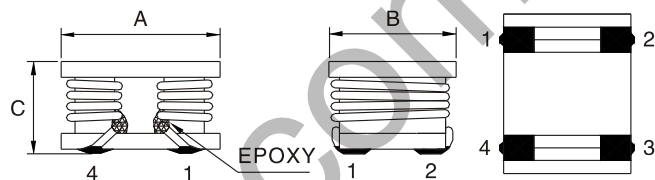
- DC/DCAC/DC convertor
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Hard Disk Drives
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

Part Number	Common Mode Impedance@100MHz (Ω) Typical	IDC (A) Max	DCR (m Ω) 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= \pm 10%, M= \pm 20%, N= \pm 30%

TECHNICAL INFORMATION:

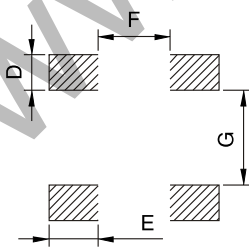


- Inductance Testing: 1KHz 1V HP4284A
- Z test with HP4191A or HP4395A
- RDC: QuadTech 1880 Milliohmmeter
- Operating temperature: -40°C to $+105^{\circ}\text{C}$
- Storage Temperature: -40°C to $+105^{\circ}\text{C}$
- Resistance to soldering heat: 260°C for 10 seconds
- Marking: Part number and date code

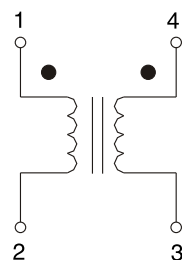
Note: All specifications subject to change without notice.

PHYSICAL CHARACTERISTICS:

LAND PATTERNS



DIMENSIONS IN:mm



Type	A	B	C	D	E	F	G
SQD75T	7.5 \pm 0.3	8.8 \pm 0.3	5.0 \pm 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 \pm 0.3	10.0 \pm 0.3	4.5 \pm 0.3	2.6	3.0	3.0	4.4