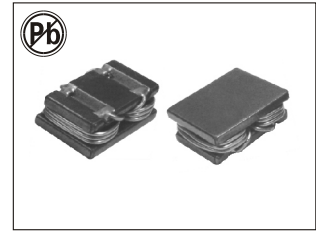


SURFACE-MOUNT COMMON MODE CHOKES

SQD 32T,45T 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

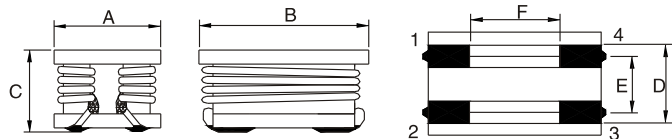
COMMON APPLCATIONS:

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

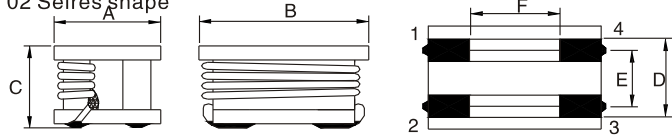
ELECTRICAL CHARACTERISTICS: PHYSICAL CHARACTERISTICS:

Part Number	Common Mode Impedance@100MHz (Ω)Typical	IDC (A)Max	DCR (mΩ)Max
SQD32T01-800	80	0.6	0.08
SQD32T01-121	120	0.6	0.1
SQD32T01-221	220	0.5	0.12
SQD32T02-800	80	0.6	0.08
SQD32T02-121	120	0.6	0.1
SQD32T02-221	220	0.5	0.12
SQD45T01-121	120	1.0	0.05
SQD45T01-331	330	1.0	0.08
SQD45T01-701	700	0.8	0.1
SQD45T02-121	120	1.0	0.05
SQD45T02-331	330	1.0	0.08
SQD45T02-701	700	0.8	0.1

01 Seires shape



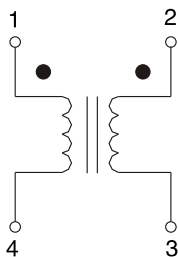
02 Seires shape



Type	A	B	C	D	E	F
SQD32T	3.2 ± 0.3	2.5 ± 0.3	2.2 ± 0.3	1.6	0.6	1.2
SQD45T	4.5 ± 0.3	3.2 ± 0.3	3.2 ± 0.3	2.5	1.2	1.5

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

WINDING:

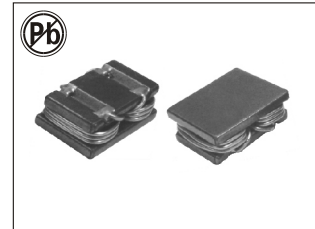


- Z test with HP4191A or HP4395A
- RDC:QuadTech 1880 Milliohmeter
- Operating temperature: -40°C to +105°C
- Storage Temperature: -40°C to +105°C
- Resistance to soldering heat:260°C for 10 seconds
- Marking: Part number and date code

Note:All specifications subject to change without notice.

SURFACE-MOUNT COMMON MODE CHOKES

SQD 55T,60T,80T,85T,100T 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 APPLCATIONS:

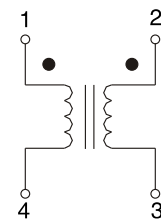
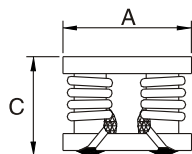
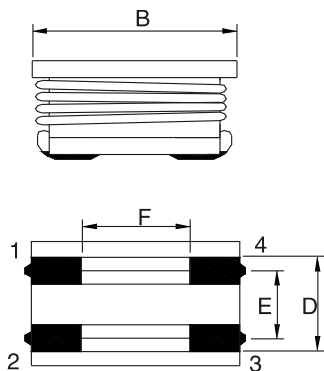
- DC/DCAC/DC convertor
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Hard Disk Drives
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

Part Number	Common Mode Impedance (Ω)Typical			IDC (A)Max	DCR (mΩ)Max
	1MHz	50MHz	100MHz		
SQD55T-151	15.0	100.0	150.0	2.0	60.0
SQD55T-351	50.0	350.0	350.0	2.0	70.0
SQD60T-601	70.0	500.0	600.0	2.0	45.0
SQD60T-701	75.0	600.0	700.0	2.0	50.0
SQD80T-701	20.0	400.0	700.0	4.0	40.0
SQD80T-901	40.0	600.0	900.0	4.0	45.0
SQD85T-203	50.0	2200.0	2000.0	2.5	75.0
SQD100T-801	80.0	850.0	800.0	5.0	25.0
SQD100T-102	90.0	900.0	1000.0	5.0	35.0
SQD100T-122	150.0	1100.0	1200.0	5.0	45.0

Note:1. K=± 10%,M=± 20%,N=± 30%

PHYSICAL CHARACTERISTICS: WINDING:



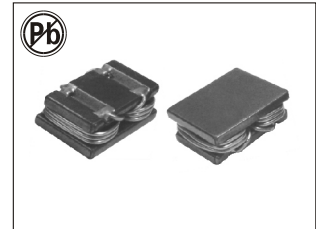
Type	A	B	C	D	E	F
SQD55T	5.5 ± 0.3	4.6 ± 0.3	1.6 ± 0.3	4.6	2.7	2.2
SQD60T	6.0 ± 0.3	7.5 ± 0.3	3.2 ± 0.3	7.5	2.0	1.8
SQD80T	8.0 ± 0.3	10.0 ± 0.3	5.0 ± 0.3	10.0	4.0	2.5
SQD85T	8.5 ± 0.3	5.0 ± 0.3	5.0 ± 0.3	5.0	1.8	4.0
SQD100T	10.0 ± 0.3	12.0 ± 0.3	6.0 ± 0.3	12.0	4.8	3.5

- 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.

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 APPLCATIONS:

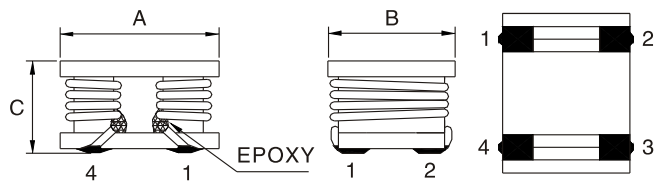
- DC/DCAC/DC convertor
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Hard Disk Drives
- Network Systems
- Computer Peripheral Equipment

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:

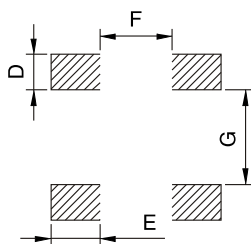


- Inductance Testing: 1KHz 1V HP4284A
- Z test with HP4191A or HP4395A
- RDC:QuadTech 1880 Milliohm meter
- Operating temperature: -40°C to $+105^{\circ}\text{C}$
- Storage Temperature: -40°C to $+105^{\circ}\text{C}$
- Resistance to soldering heat: 260°C for 10 seconds
- Marking: Part number and date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

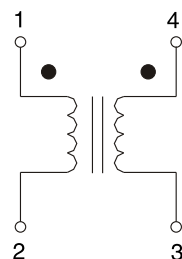
Note:All specifications subject to change without notice.

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