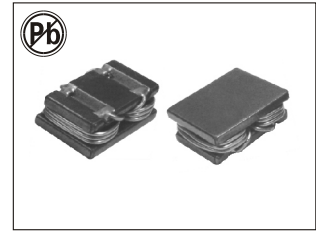


SURFACE-MOUNT COMMON MODE CHOKES

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:

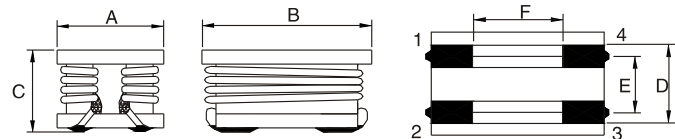
- DC/DCAC/DC convertor
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Hard Disk Drives
- Network Systems
- Computer Peripheral Equipment

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



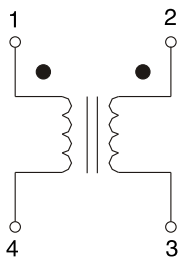
02 Seires shape



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:

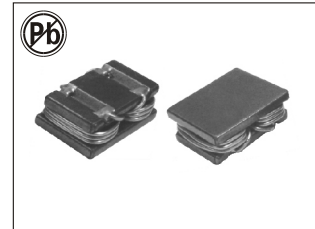


- Z test with HP4191A or HP4395A
- RDC:QuadTech 1880 Milliohmeter
- Operating temperature: -40°C to +105°C
- Storage Temperature: -40°C to +105°C
- Resistance to soldering heat:260°C for 10 seconds
- Marking: Part number and date code

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:

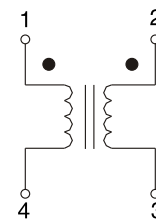
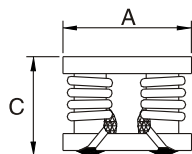
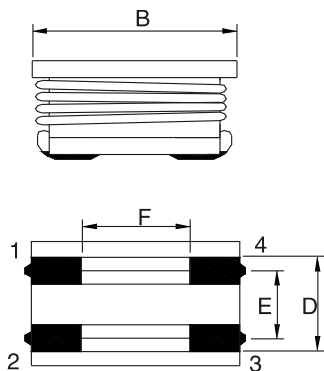
- DC/DCAC/DC convertor
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Hard Disk Drives
- Network Systems
- Computer Peripheral Equipment

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:



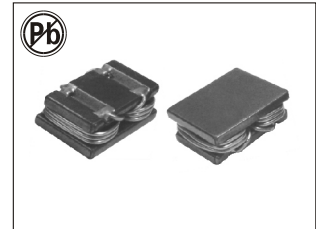
Type	A	B	C	D	E	F
SQD55T	5.5 ± 0.3	4.6 ± 0.3	1.6 ± 0.3	4.6	2.7	2.2
SQD60T	6.0 ± 0.3	7.5 ± 0.3	3.2 ± 0.3	7.5	2.0	1.8
SQD80T	8.0 ± 0.3	10.0 ± 0.3	5.0 ± 0.3	10.0	4.0	2.5
SQD85T	8.5 ± 0.3	5.0 ± 0.3	5.0 ± 0.3	5.0	1.8	4.0
SQD100T	10.0 ± 0.3	12.0 ± 0.3	6.0 ± 0.3	12.0	4.8	3.5

- 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:

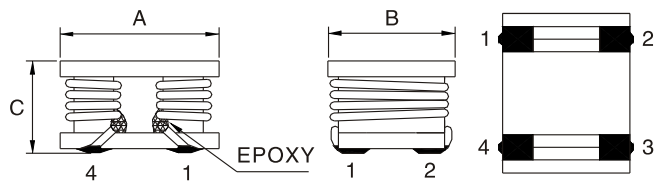
- DC/DCAC/DC convertor
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Hard Disk Drives
- Network Systems
- Computer Peripheral Equipment

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:

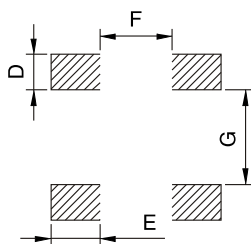


- Inductance Testing: 1KHz 1V HP4284A
- Z test with HP4191A or HP4395A
- RDC:QuadTech 1880 Milliohm meter
- Operating temperature: -40°C to +105°C
- Storage Temperature: -40°C to +105°C
- Resistance to soldering heat:260°C for 10 seconds
- Marking: Part number and date code

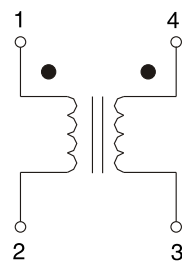
Note:All specifications subject to change without notice.

PHYSICAL CHARACTERISTICS:

LAND PATTERNS



DIMENSIONS IN:mm



Type	A	B	C	D	E	F	G
SQD75T	7.5 \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

SURFACE-MOUNT COMMON MODE CHOKES

SQD 1211 SERIES



FEATURES:

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

APPLCATIONS:

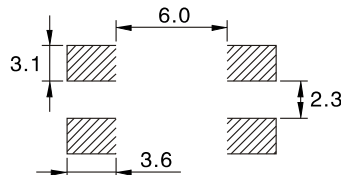
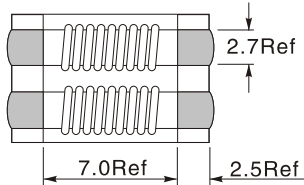
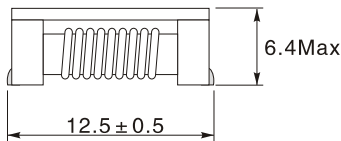
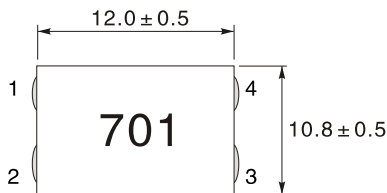
- DC/DCAC/DC convertor
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Hard Disk Drives
- Network Systems

ELECTRICAL CHARACTERISTICS:

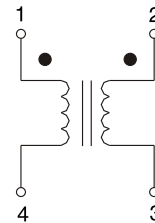
Part Number	Impedance@100MHz		DCR (mΩ)Max	IDC (A)Max
	(Ω)Min	(Ω)Typ		
SQD1211-800	80	230	2.0	10.0
SQD1211-701	500	700	6.0	8.0
SQD1211-801	600	800	8.0	8.0
SQD1211-102	750	1000	14.0	6.0
SQD1211-222	2200	2500	35.0	1.8
SQD1211-272	2300	2700	50.0	1.5

PHYSICAL CHARACTERISTICS: WINDING:

DIMENSIONS IN:mm



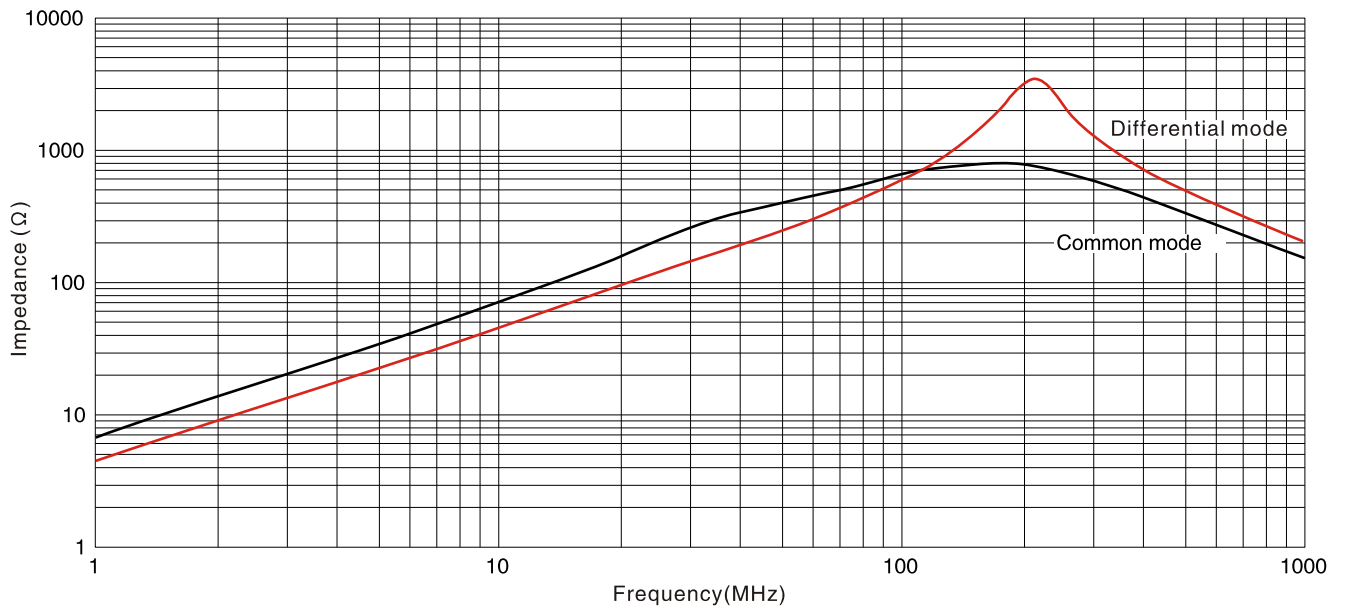
LAND PATTERNS



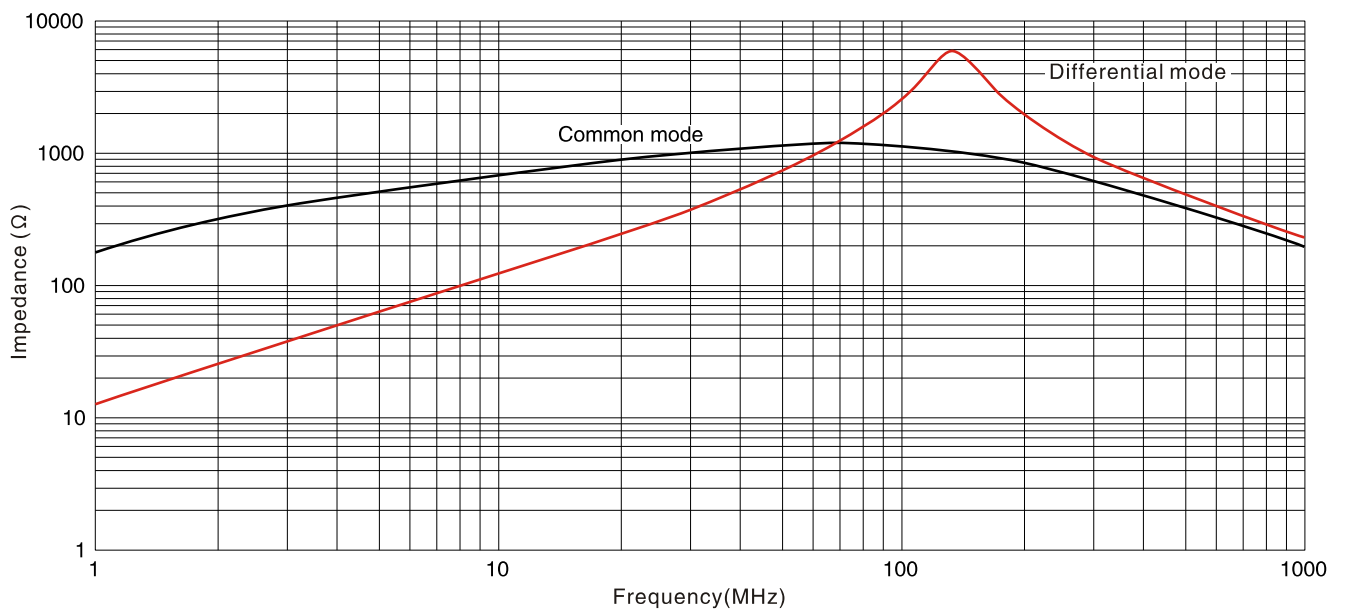
- Impedance test with HP4191A or HP4395A
- RDC:QuadTech 1880 Milliohmmeter
- Rated voltage: 125V Max
- Insulation resistance: 10MΩ Min
- Operating temperature: -40°C to +125°C
- Storage Temperature: -40°C to +125°C
- Packing: 500Pcs/Reel/Bag
1000Pcs/Box
5000Pcs/Carton

SURFACE-MOUNT COMMON MODE CHOKES

SQD1211-701



SQD1211-102



SURFACE-MOUNT COMMON MODE CHOKES

SQD 1513 SERIES

FEATURES:

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

APPLICATIONS:

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

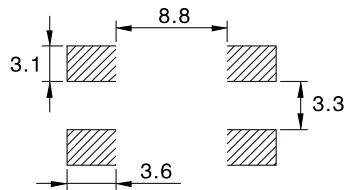
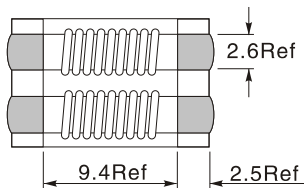
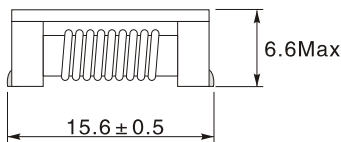
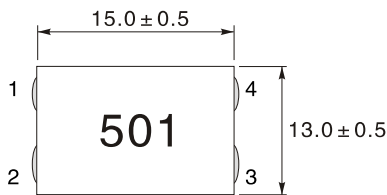


ELECTRICAL CHARACTERISTICS:

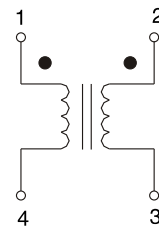
Part Number	Impedance@100MHz		DCR (mΩ)Max	IDC (A)Max
	(Ω)Min	(Ω)Typ		
SQD1513-301H	225	300	4.0	15.0
SQD1513-301	225	300	5.0	13.0
SQD1513-551H	400	550	5.0	12.0
SQD1513-551	400	550	6.0	10.0
SQD1513-501	400	500	6.0	10.0
SQD1513-601	500	600	7.0	10.0
SQD1513-701	500	700	7.0	10.0
SQD1513-102	800	1000	10.0	9.0
SQD1513-152	1200	1500	23.0	5.0

PHYSICAL CHARACTERISTICS: WINDING:

DIMENSIONS IN:mm



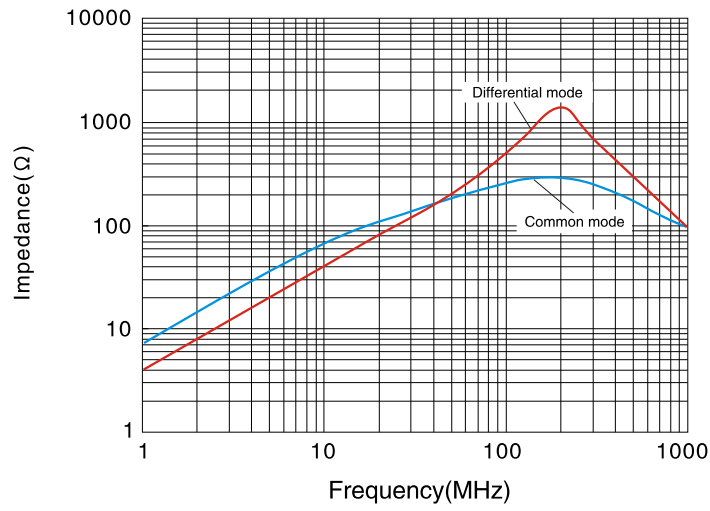
LAND PATTERNS



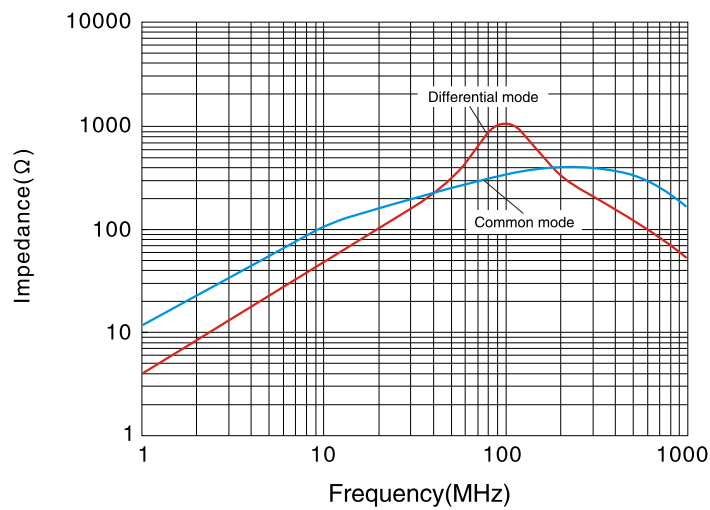
- Impedance test with HP4191A or HP4395A
- RDC:QuadTech 1880 Milliohm meter
- Rated voltage: 80V Max
- Insulation resistance: 10MΩ Min
- Operating temperature: -40°C to +125°C
- Storage Temperature: -40°C to +125°C
- Packing: 350Pcs/Reel
700Pcs/Bag/Box
3500Pcs/Carton

SURFACE-MOUNT COMMON MODE CHOKES

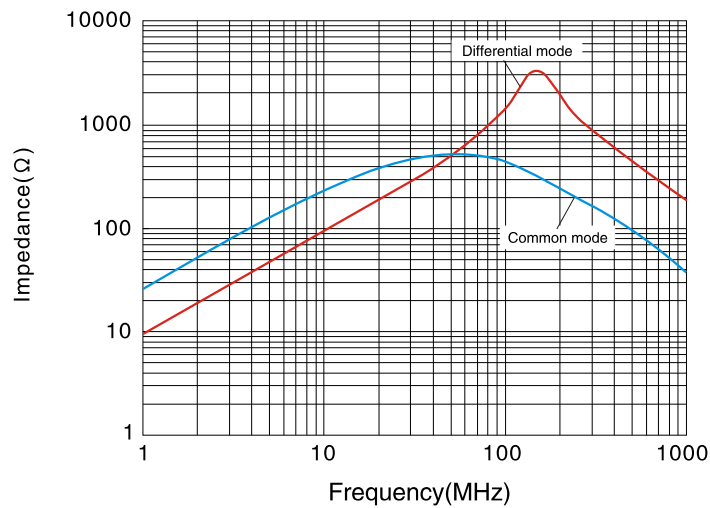
SQD1513-301H



SQD1513-301

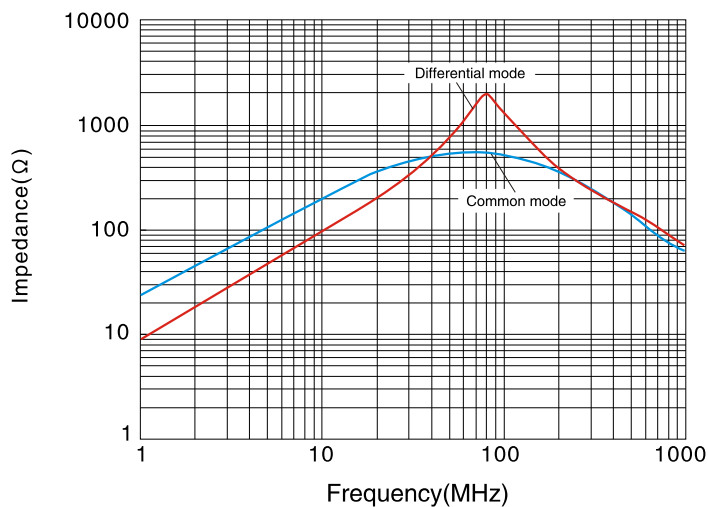


SQD1513-551H

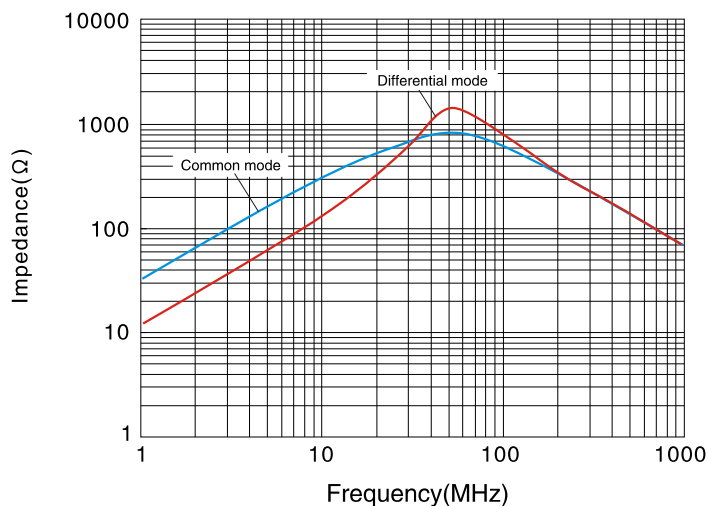


SURFACE-MOUNT COMMON MODE CHOKES

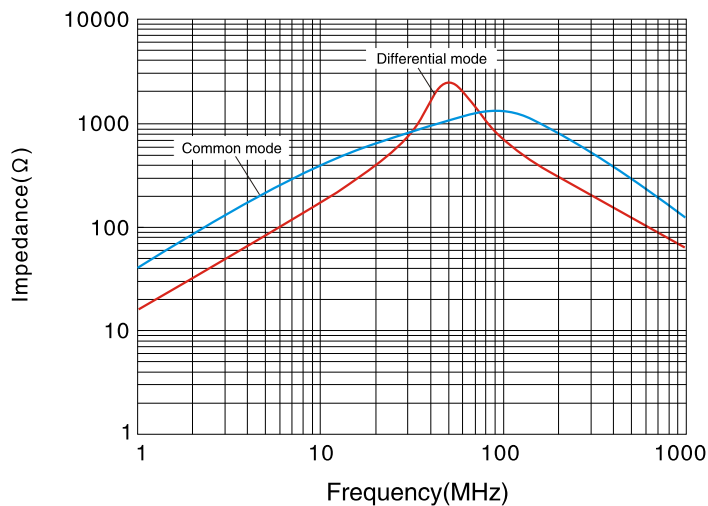
SQD1513-551



SQD1513-701

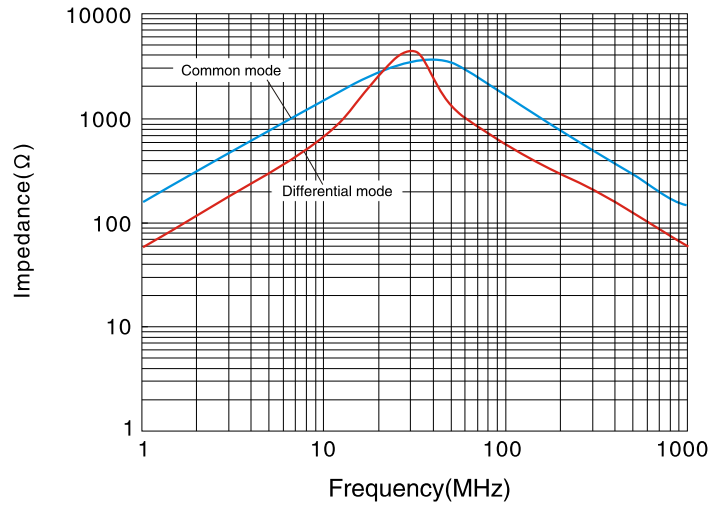


SQD1513-102



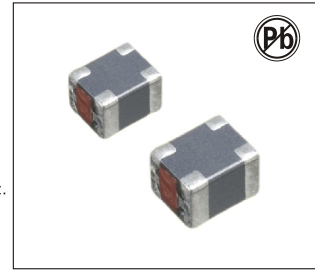
SURFACE-MOUNT COMMON MODE CHOKES

SQD1513-152



COMMON MODE CHOKE COILS FOR DC POWER LINE

SQD 3225, 4532 SERIES



FEATURES:

- A chip-type common mode filter for large current applications. Common mode impedance surpasses 300 to 1000Ω at 100MHz. Noise is greatly suppressed.
- Capable of handling the highest current (up to 10A) of any chip-type common mode filter.
- Height and size have been considered, resulting in a compact and light-weight choke coil. Applicable for the miniaturization required to reduce the size and weight of portable equipment.
- The products contain no lead and also support lead-free soldering.
- This product does not contain regulated substances that are slated to be included in RoHS.

APPLCATIONS:

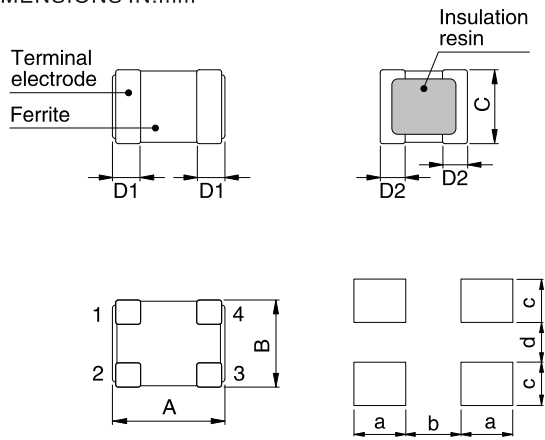
- Used for power line noise suppression for any electronic devices. Used to counter adapter/battery line noise for relatively large elec-tronic devices such as notebook PCs, stand-alone word proces-sors, etc.

ELECTRICAL CHARACTERISTICS:

Part Number	Impedance@100MHz (Common mode test)		DCR (mΩ)Max	Rated current (A)Max	Rated voltage (VDC)Max	Insulation resistance (MΩ)Min
	(Ω)Min	(Ω)Typ				
SQD3225-601	450	600	200	1.0	50	10
SQD4532-601	450	600	100	1.5	50	10
SQD4532-801	600	800	100	1.0	50	10

PHYSICAL CHARACTERISTICS: WINDING:

DIMENSIONS IN:mm



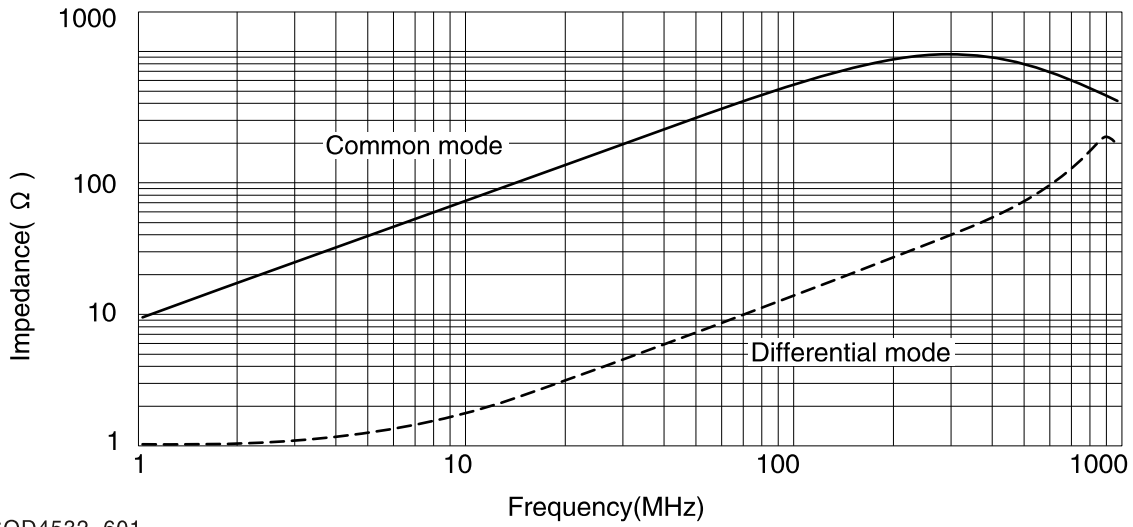
LAND PATTERNS

	A	B	C	D1	D2	a	b	c	d
SQD3225	3.2±0.2	2.5±0.2	2.3Max	0.7	0.65	1.5	1.6	1.4	1.1
SQD4532	4.5±0.2	3.2±0.2	3.0Max	1	1	1.8	2.3	1.75	1.1

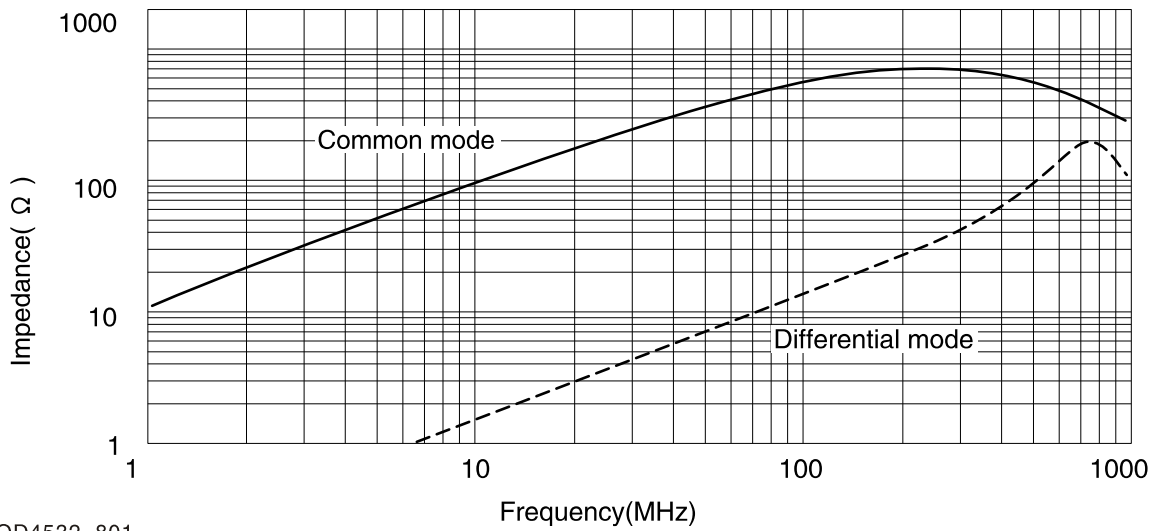
- Impedance test with HP4191A or HP4395A
- RDC:QuadTech 1880 Milliohm meter
- Insulation resistance: 10MΩ Min
- Operating temperature: -40°C to +125°C
- Storage Temperature: -40°C to +125°C
- Packing: SQD3225: φ 180mm, 1000Pcs/Reel
φ 330mm, 5000Pcs/Reel
- SQD4532: φ 180mm, 500Pcs/Reel
 φ 330mm, 2000Pcs/Reel

COMMON MODE CHOKE COILS FOR DC POWER LINE

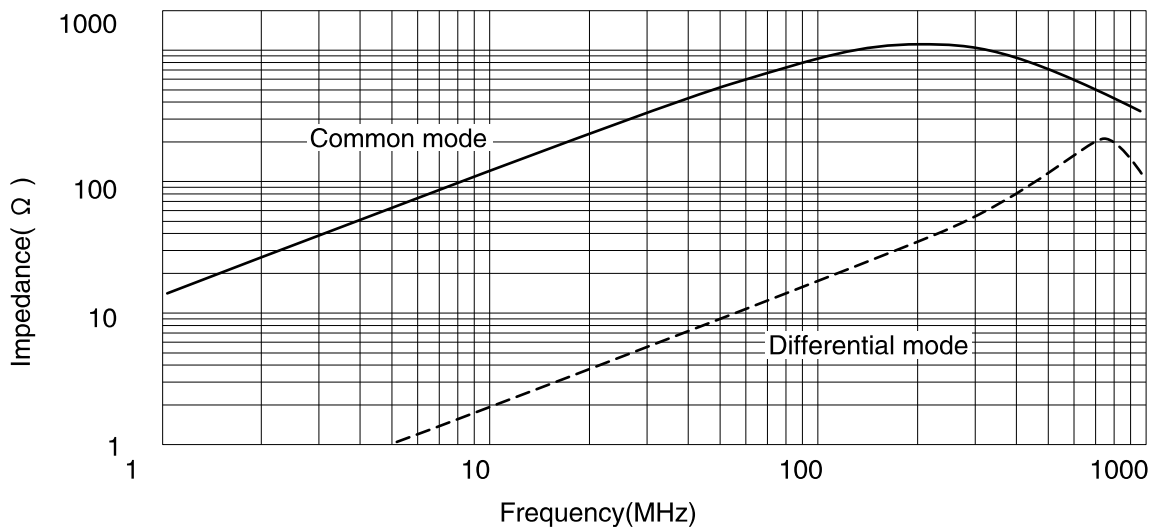
SQD3225-601



SQD4532-601



SQD4532-801



SURFACE-MOUNT COMMON MODE CHOKES

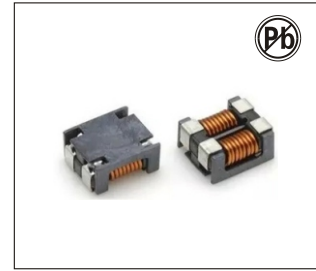
SQD 7060, 9070 SERIES

FEATURES:

- Chip common mode filter for large current applications. There is excellent common mode impedance and noise suppression in a compact case
- Compatible with high-density portable devices, which are always being made smaller and lighter, because the height has been reduced.

APPLCATIONS:

- Power line noise countermeasure for various electronic equipment.
- Noise countermeasure for adapter lines and battery lines or larger electronic equipment such as note book PCs and word processors.

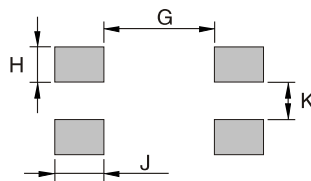
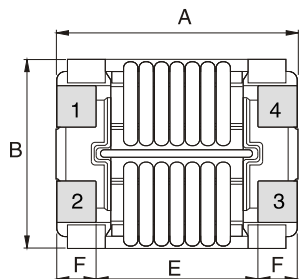
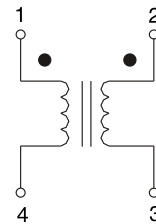
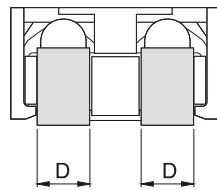
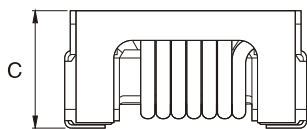


ELECTRICAL CHARACTERISTICS:

Part Number	Impedance@100MHz (Common mode test)		DCR (1 line) (mΩ)Max	Rated current (A)Max	Rated voltage (VDC)Max	Insulation resistance (MΩ)Min
	(Ω)Min	(Ω)Typ				
SQD7060-400	40	70	5	15	125	10
SQD7060-101	100	140	10	9	125	10
SQD7060-301	225	300	10	5	125	10
SQD7060-701	500	700	15	4	125	10
SQD7060-102	800	1020	17	3	125	10
SQD7060-132	910	1300	21	2.5	125	10
SQD9070-301	225	300	6	6	80	10
SQD9070-601	450	600	8	6	80	10
SQD9070-701	500	700	10	5	80	10
SQD9070-102	750	1000	13	4	80	10
SQD9070-272	2000	2700	86	2	80	10

PHYSICAL CHARACTERISTICS: WINDING:

DIMENSIONS IN:mm



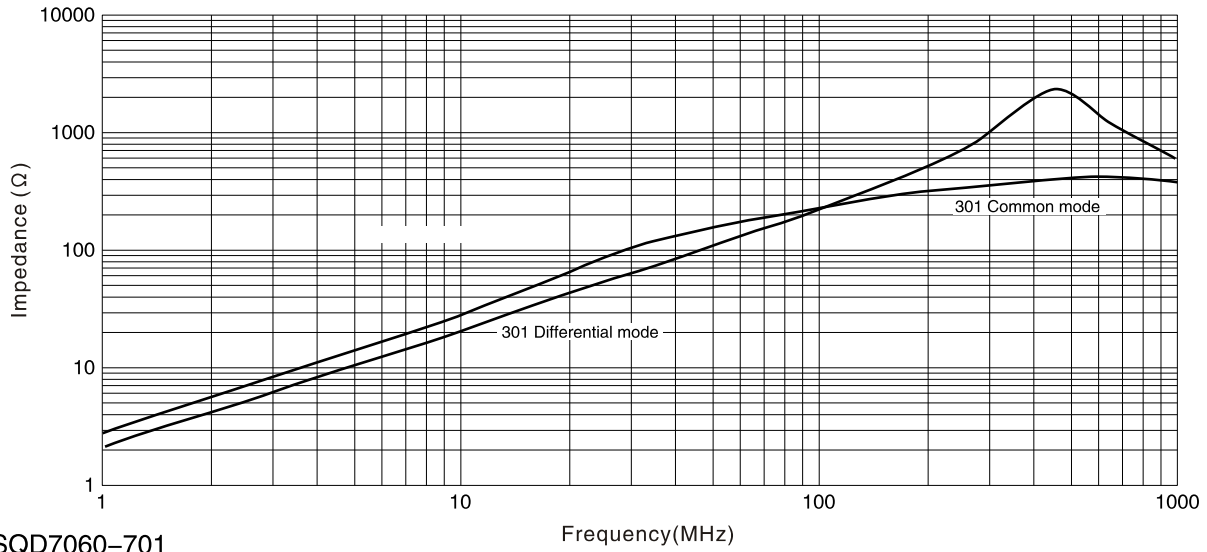
LAND PATTERNS

- Impedance test with HP4191A or HP4395A
- RDC:QuadTech 1880 Milliohmeter
- Insulation resistance: 10MΩ Min
- Operating temperature: -40°C to +125°C
- Storage Temperature: -40°C to +125°C
- Packing: 1500Pcs/Reel(SQD7060)
800Pcs/Reel(SQD9070)

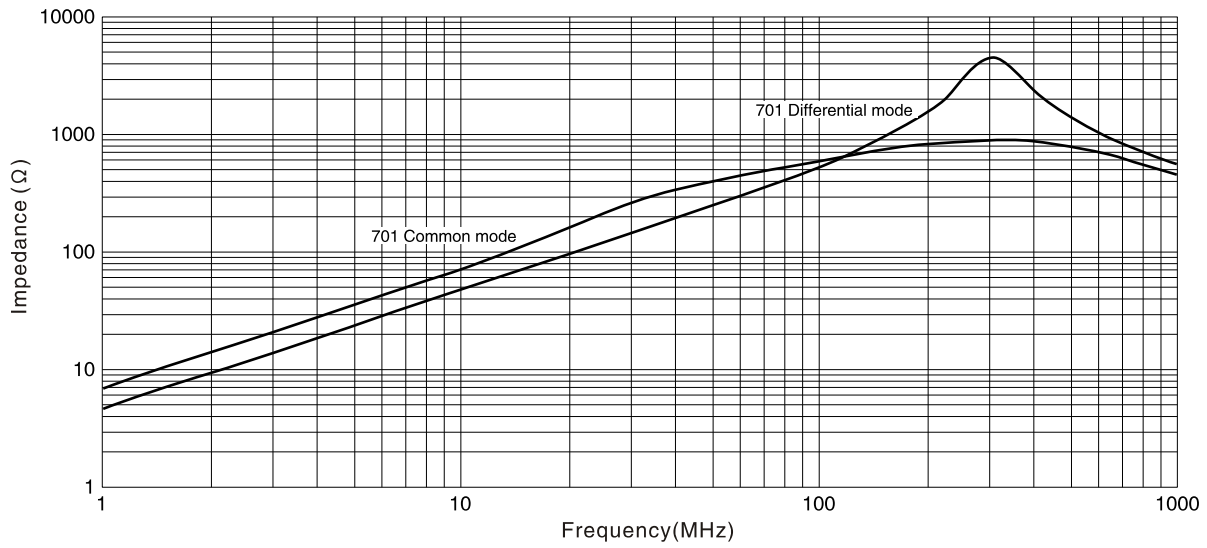
	A	B	C	D	E	F	G	H	J	K
SQD7060	7.0±0.2	6.0±0.2	3.8Max	1.5±0.5	4.0typ	1.5±0.5	4.0	1.5	2.5	1.5
SQD9070	9.0±0.2	7.0±0.2	4.8Max	1.5±0.5	6.0typ	1.5±0.5	6.0	1.5	2.5	2.0

SURFACE-MOUNT COMMON MODE CHOKES

SQD7060-301



SQD7060-701



SQD9070-701

