

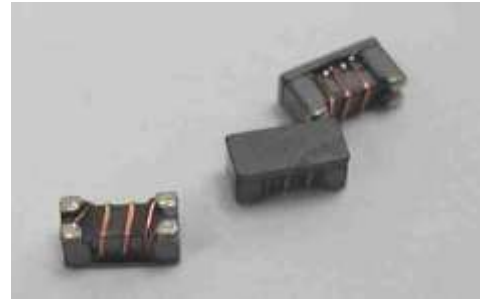
SUNLEI TECHNOLOGY CORP.

Wire Wound Commode Chokes-DB-T-Series

DB-T series For USB 2.0/ IEEE1394/ LVDS

Features

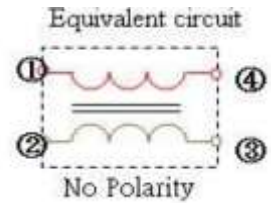
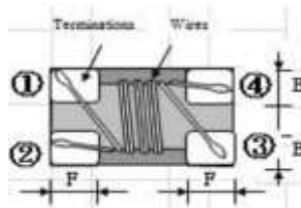
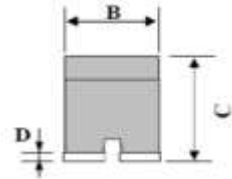
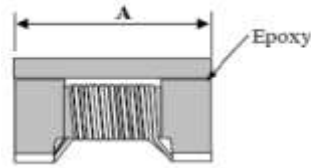
- Miniature SMD type common mode filter for fully automated assembly.
- Wide Impedance range ($30\Omega \sim 2200\Omega$) for noise suppression.
- Excellent Solderability



Applications

- USB line for personal computers and peripheral,
- IEEE 1394 line for personal computers, DVC.
- LVDS, panel line for liquid display panels, graph card etc.

Dimensions (mm)



Product Identification

DB 21 T – 900M -PF

DB: SERIES NAME
 21:Dimensions CODE
 T:MATERIAL CODE.
 900: IMPEDANCE CODE.
 M: TOLERANCE,K=10%
 M=20%
 PF:Pb-Free

TYPE	A	B	C	D	E	F
DB21	2.0±0.2	1.2±0.2	1.20±0.2	0.20±0.1	0.40 Typ	0.45 Typ
DB31	3.20±0.2	1.6±0.2	1.90±0.2	0.20±0.1	0.60 Typ	0.60 Typ
DB32	3.20±0.2	2.5±0.2	2.20±0.2	0.20±0.1	0.80 Typ	0.65 Typ
DB43	4.50±0.2	3.20±0.2	2.80±0.2	0.20±0.1	1.20 Typ	1.00 Typ
DB54	5.00±0.3	4.50±0.3	2.50 Max	0.20±0.1	1.60 Typ	1.40 Typ

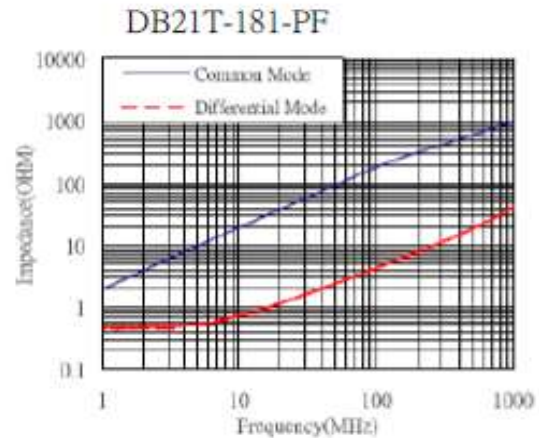
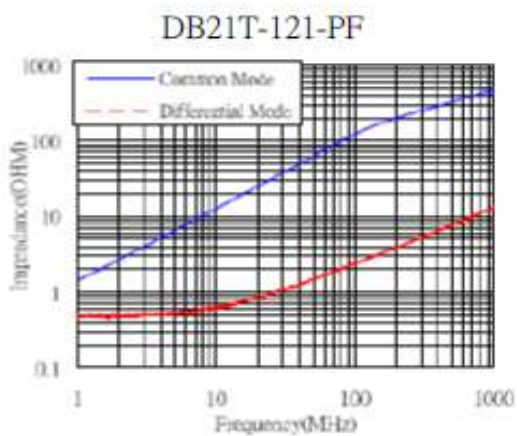
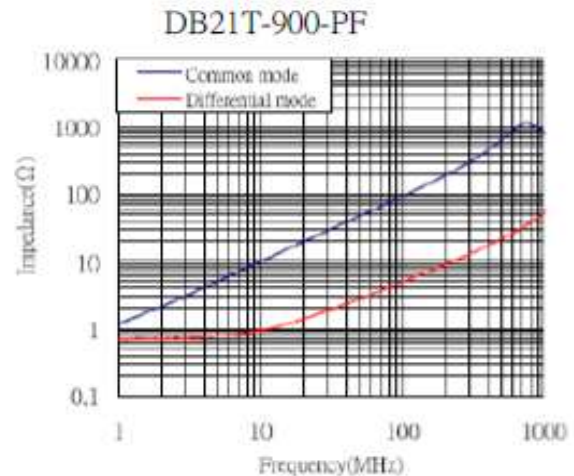
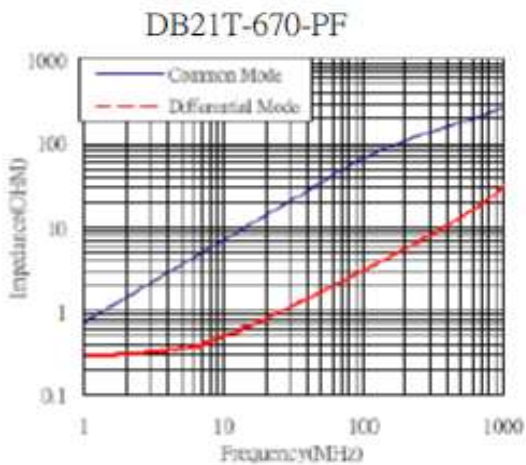
Wire Wound Commode Chokes-DB-T-Series

DB-T series For USB 2.0/ IEEE1394/ LVDS

Electrical Characteristics

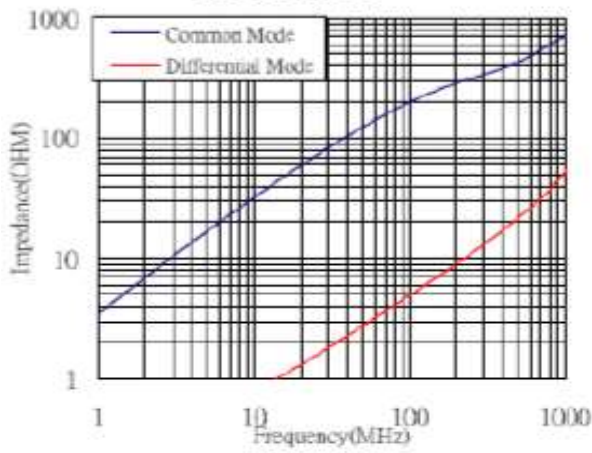
Part No.	Z (Ω)	RDC (Ω)Max.	IDC (mA)Max.	Rated Voltage (Vdc)	Insulation Resistance ($m\Omega$)	Tolerance ($\pm\%$)	Rated Voltage Vdc(V)
DB21T-670□-PF	67	0.25	400	50	10	25	125
DB21T-900□-PF	90	0.35	350	50	10	25	125
DB21T-121□-PF	120	0.35	350	50	10	25	125
DB21T-161□-PF	160	0.35	330	50	10	25	125
DB21T-181□-PF	180	0.35	330	50	10	25	125
DB21T-221□-PF	220	0.35	330	50	10	25	125
DB21T-261□-PF	260	0.40	330	50	10	25	125
DB21T-361□-PF	360	0.40	280	50	10	25	125

Impedance Vs Frequency Curve

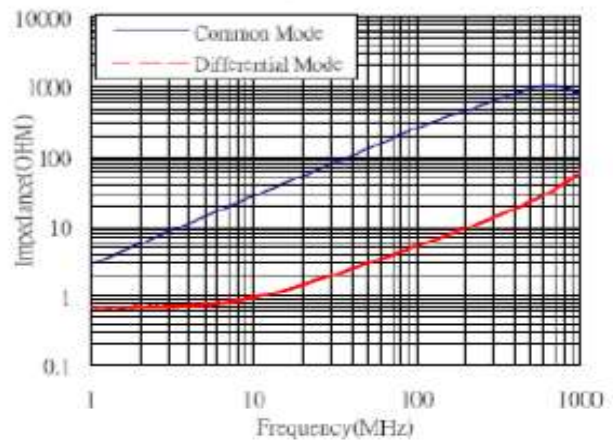


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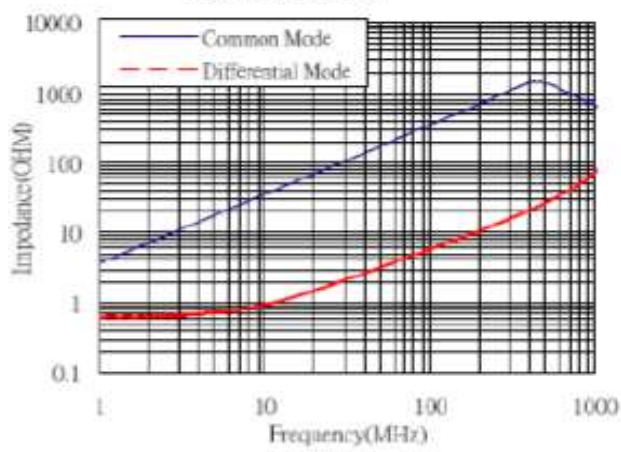
DB21T-221-PF



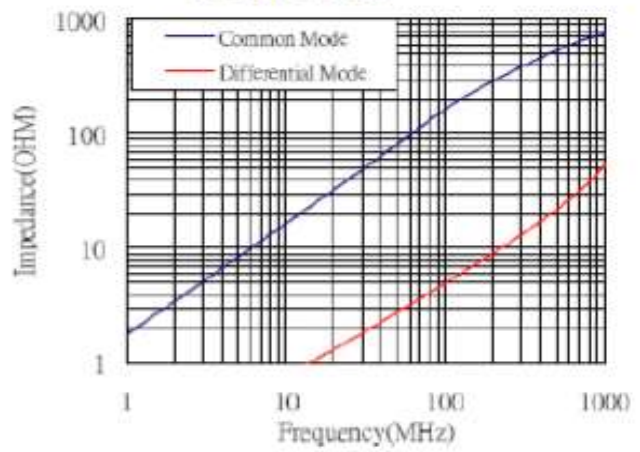
DB21T-261-PF



DB21T-361-PF



DB21T-161-PF



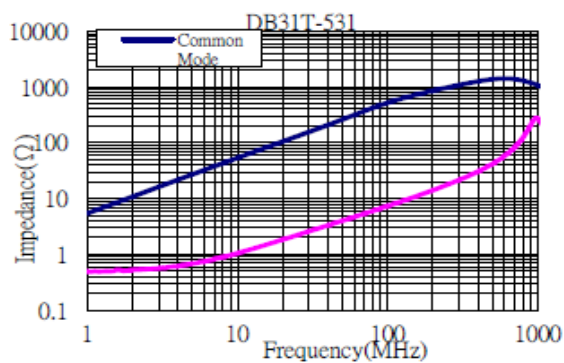
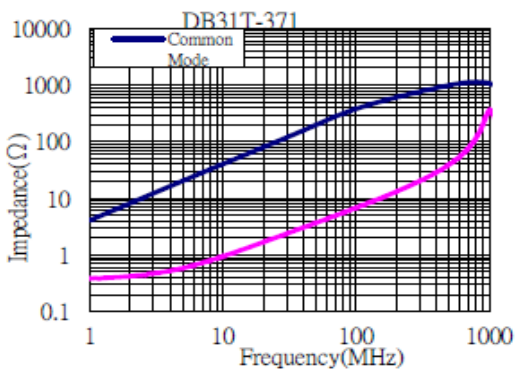
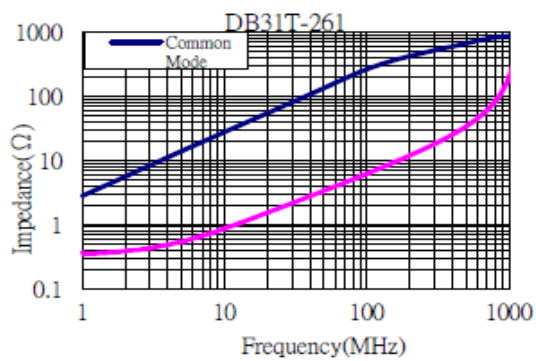
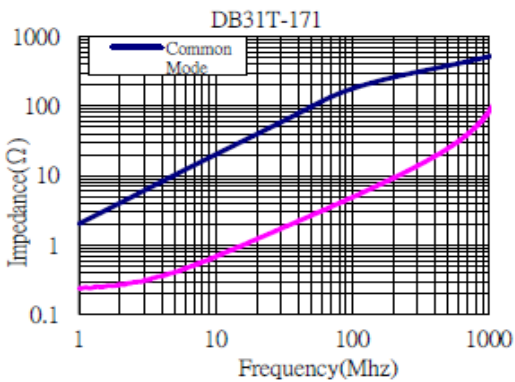
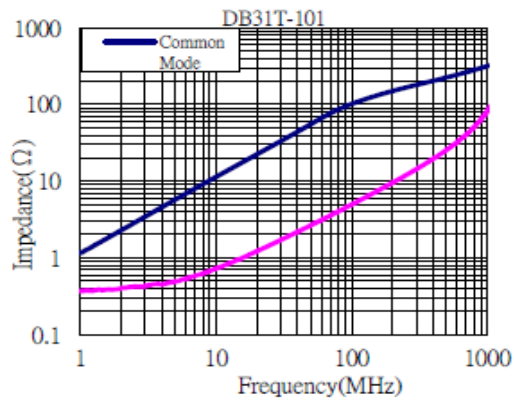
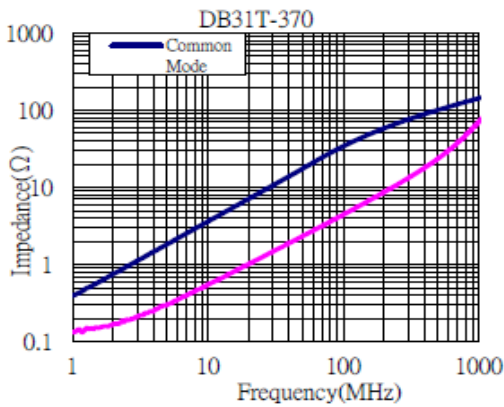
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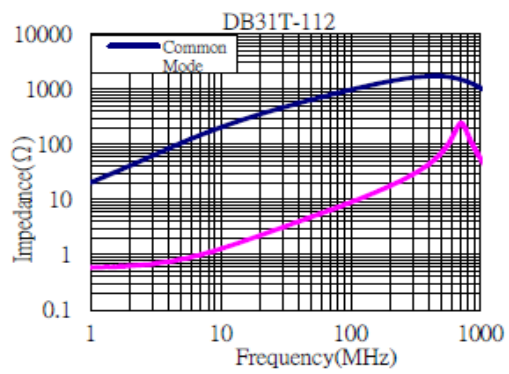
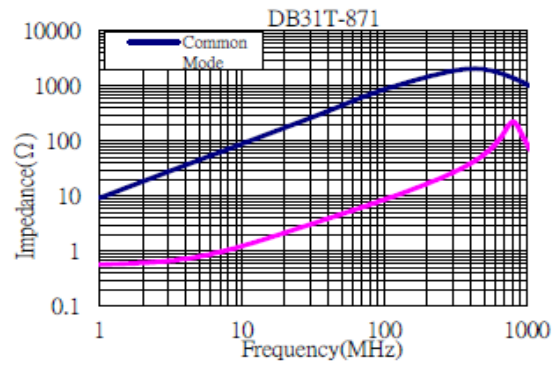
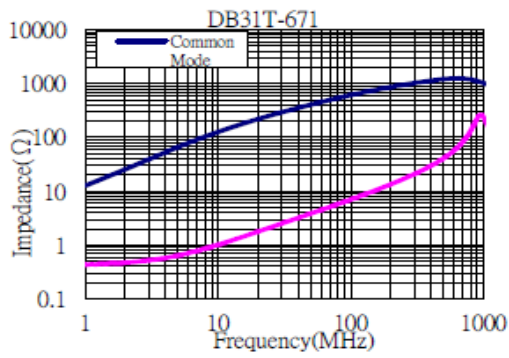
Electrical Characteristics

Part No.	Z (Ω)	DCR (Ω)Max.	IDC (mA)Max.	Rated Voltage (Vdc)Typ	Insulation Resistance (M Ω)Min	Withstanding Voltage (V)Typ
DB31T-370□-PF	37	0.10	1000	50	10	125
DB31T-101□-PF	100	0.14	850	50	10	125
DB31T-171□-PF	170	0.18	700	50	20	125
DB31T-261□-PF	260	0.22	600	50	10	125
DB31T-371□-PF	370	0.26	600	50	10	125
DB31T-531□-PF	530	0.30	600	50	10	125
DB31T-671□-PF	670	0.34	500	50	10	125
DB31T-871□-PF	870	0.39	500	50	10	125
DB31T-112□-PF	1100	0.44	500	50	10	125

Impedance Vs Frequency Curve



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Electrical Characteristics

Part No.	Z (Ω)	DCR (Ω)Max.	IDC (mA)Max.	Rated Voltage (Vdc)Typ	Insulation Resistance (M Ω)Min	Tolerance (\pm %)
DB32A-800S-PF	80	0.15	2	50	10	25
DB32A-601S-PF	600	0.25	1	50	10	25
DB32A-102S-PF	1000	0.35	1.2	50	10	25
DB32A-601S-M01-PF	600	0.08	1.5	50	10	25
DB32A-102S-M01-PF	1000	0.10	1.2	50	10	25
DB32A-102S-M02-PF	1000	0.06	1.2	50	10	25

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DB-T series For USB 2.0/ IEEE1394/ LVDS

Electrical Characteristics

Part No.	Impedance Z(Ω)	RDC (Ω)Max.	IDC (A)Max.	Rated Voltage (Vdc)	Insulation Resistance (M Ω)Min	Tolerance (\pm %)
DB43A-800S-PF	80	0.07	3.00	50	10	25
DB43A-121S-PF	120	0.07	3.00	50	10	25
DB43A-201S-PF	200	0.10	2.00	50	10	25
DB43A-601S-PF	600	0.30	1.50	50	10	25
DB43A-801S-PF	800	0.35	1.00	50	10	25
DB43A-102S-PF	1000	0.40	1.00	50	10	25

Wire Wound Commode Chokes-DB-T-Series

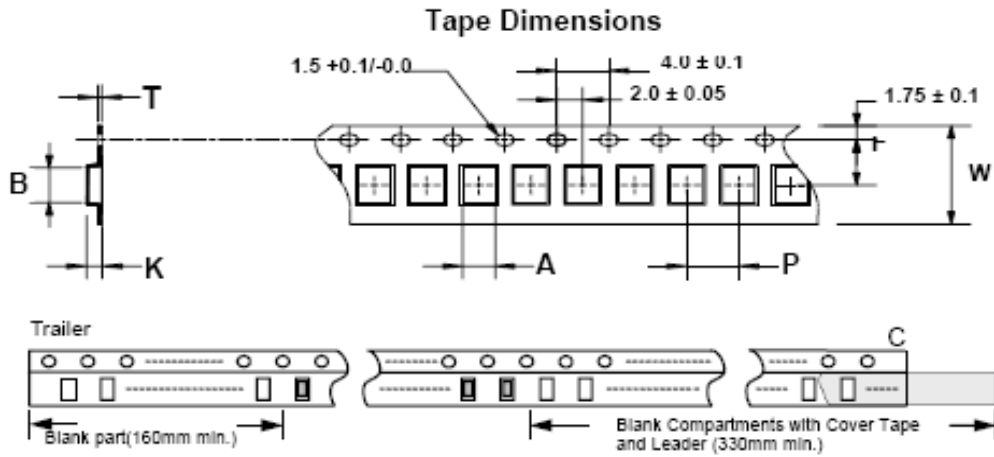
DB-T series For USB 2.0/ IEEE1394/ LVDS

Electrical Characteristics

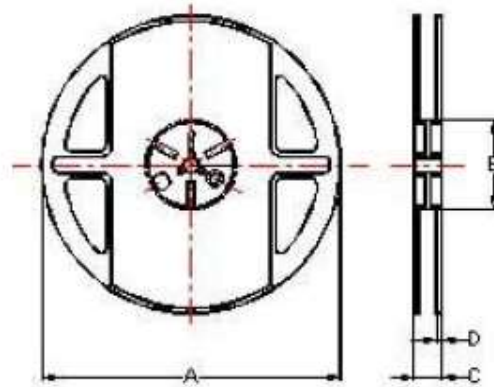
Part No.	Impedance $Z(\Omega)$	RDC $(\Omega)\text{Max.}$	IDC $(A)\text{Max.}$	Rated Voltage (Vdc)	Insulation Resistance $(M\Omega)\text{Min}$	Withstanding Voltage $(V)\text{Typ}$
DB54A-101-PF	100	0.009	6.00	50	10	125
DB54A-251-PF	250	0.014	5.00	50	10	125
DB54A-501-PF	500	0.019	4.00	50	10	125
DB54A-102-PF	1000	0.024	3.00	50	10	125
DB54A-142-PF	1400	0.040	1.50	50	10	125

Wire Wound Commode Chokes-DB-T-Series

PACKAGING



Reel Dimensions



TYPE	Tape Dimensions							Reel Dimensions				Quantity/Reel
	A	B	T	W	P	F	K	A	B	C	D	
DB21T	1.5	2.25	0.24	8	4	3.5	1.45	178	60	12	1.5	2000
DB31T	1.76	3.47	0.22	8	4	3.5	2.05	178	60	12	1.5	2000
DB41T	2.95	4.85	0.25	12	4	3.5	2.15	178	60	12	1.5	2000