

**Absolutely
Basic
Components
Oriented**



COMMON MODE NOISE FILTERS

ECS SERIES



COMMON MODE NOISE FILTERS



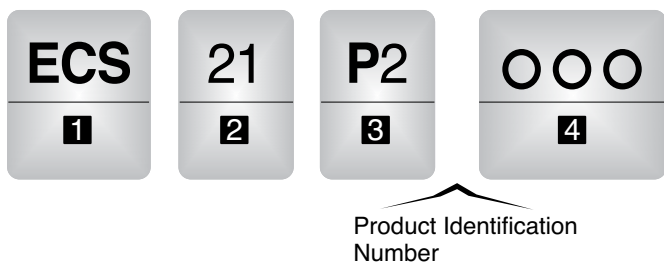
■ FEATURES

Effective for suppressing noise in high speed digital signal line.
The very smallest wound-type common mode filter.

■ APPLICATION

Noise suppression, RF Module, PC interface, CD/DVD-ROM, etc

■ ORDERING CODE



1 Part name
ECS

2 Dimensions(mm)
21: 2.0(L) × 1.2(W)

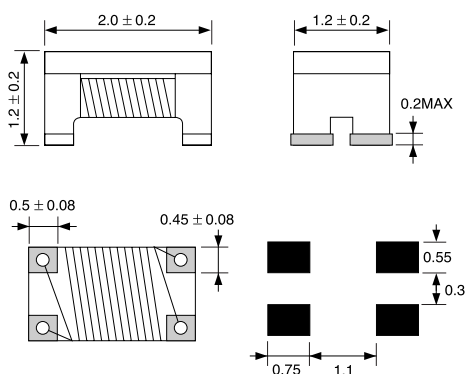
3 Number of Lines
2Lines

4 Inductance value[μH]	
750	75Ω
900	90Ω
131	130Ω
181	180Ω
201	200Ω
271	270Ω
361	360Ω
551	550Ω

ECS21P2 SERIES

■ SHAPES & DIMENSIONS

RECOMMENDED PCB PATTERN (Dimensions in mm)



■ OPERATING TEMPERATURE RANGE

-30 ~ +85°C (Including self-generated heat)

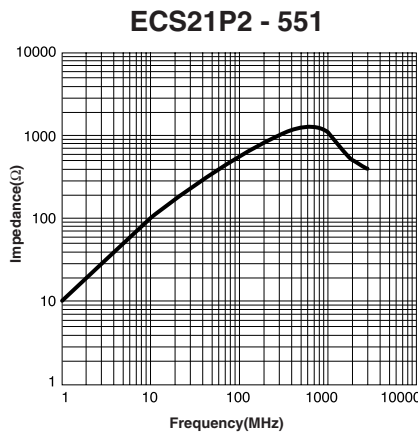
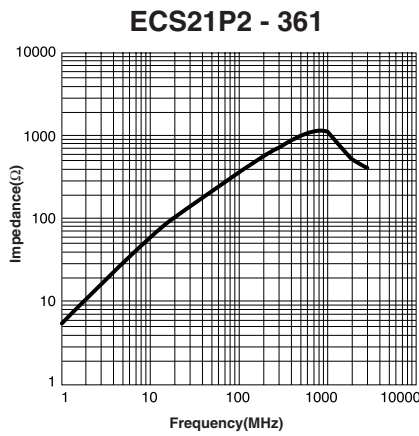
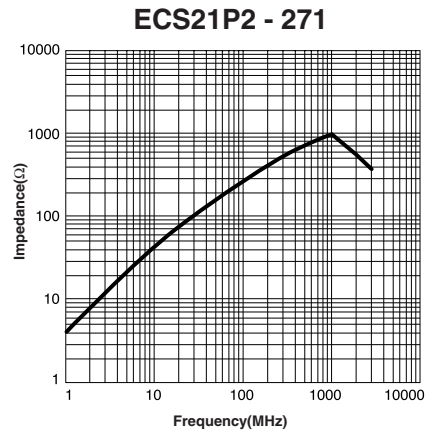
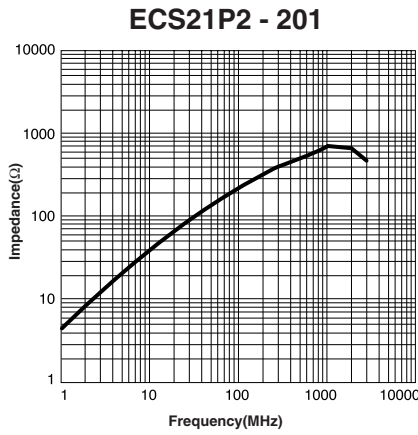
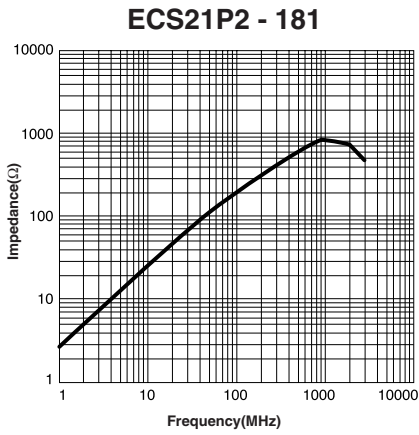
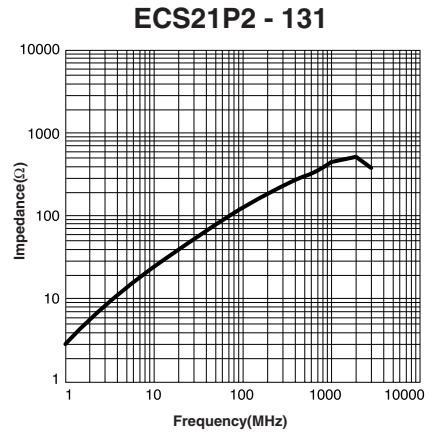
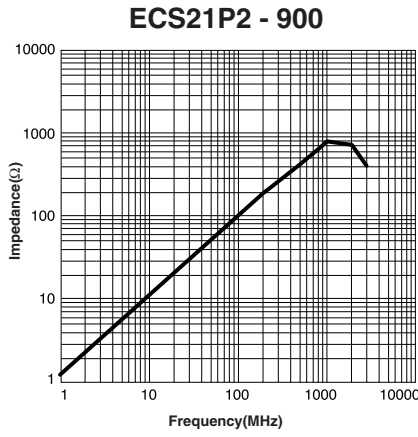
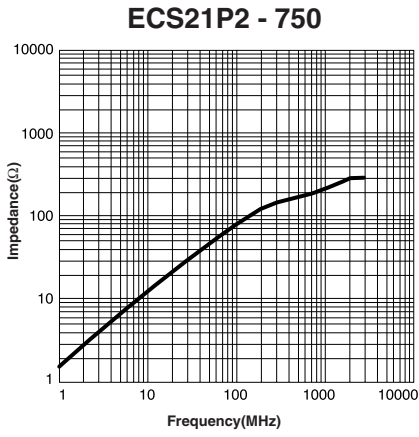
■ ELECTRICAL CHARACTERISTICS

ABC Electronics product name	Impedance (Ω)(min/typ.) at 100MHz	DC resistance Rcd(Ω) Max.	Rated Current Idc(mA)Max.	Rated voltage Vdc (V)Max.	Insulation Resistance (MΩ)Min.
ECS21P2-750	54/75	0.15	300	20	10
ECS21P2-900	65/90	0.19	200	20	10
ECS21P2-131	90/130	0.20	200	20	10
ECS21P2-181	130/180	0.20	150	20	10
ECS21P2-201	150/200	0.25	150	20	10
ECS21P2-271	200/270	0.35	150	20	10
ECS21P2-361	270/360	0.50	100	20	10
ECS21P2-551	400/550	0.55	100	20	10

■ TEST EQUIPMENTS

- Impedance: Agilent 4287A LCR Meter (100MHz)
- Rcd: HIOKI 3540 mΩ HiTESTER
- Rated Current: Agilent 6692A SYSTEM DC Power Supply
- Rated Voltage: Kikusui Withstanding Voltage Tester Tos-5051

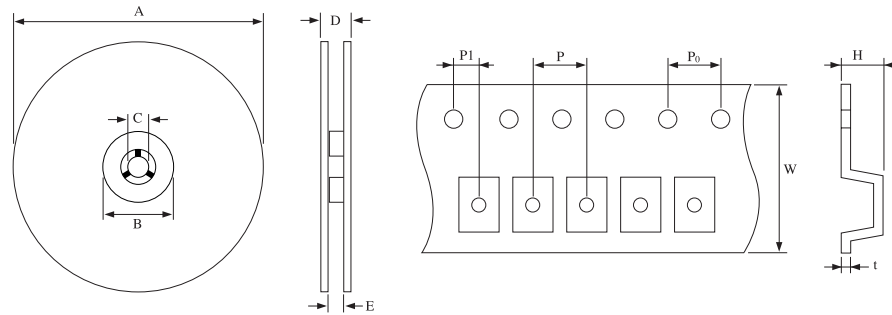
■ FREQUENCY VS. IMPEDANCE CHARACTERISTICS



**COMMON MODE
NOISE FILTER**

PACKING SPECIFICATION

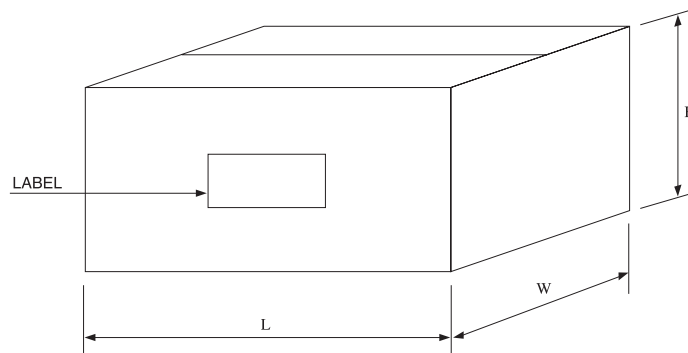
■ TAPE & SPECIFICATIONS



Unit: mm

Series	Reel dimensions					Tape dimensions						Per Reel(Q'ty)
	A	B	C	D	E	W	P	P0	P1	H	t	
ECS21P2	180	60	13	12	9	8	4	4	2	1.45	0.22	2,000

■ OUTER BOX SPECIFICATIONS



Unit: mm

Series	OUTER BOX			Per Box(Q'ty)
	L	W	H	
ECS21P2	270	200	200	40,000