

## SBCB Series



SBCB Series is a dual wound common mode choke ideal for common mode noise attenuation in twisted pair cable interfaces as well as IEEE 1394 applications. An excellent impedance balance between two sets of twisted pairs is achieved by winding across a signal core. One SBCB common mode choke coil per interface port is possible with this dual winding configuration.

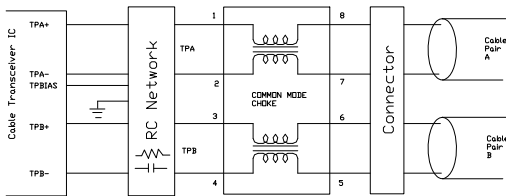
### Features

- RoHS Compliant
- Dual Common-mode choke coils
- 8-pin, half inch-pitch SMD type

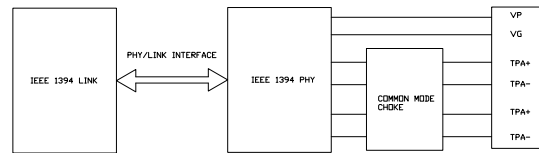
### Applications

- Preventive measure against USB & IEEE1394 radiation emissions
- Suppresses radiated emissions from peripheral devices
- Personal computer (Desk-top, Note-book) game computer, Digital Camera, etc
- Use of high performance ferrite for excellent high frequency characteristics

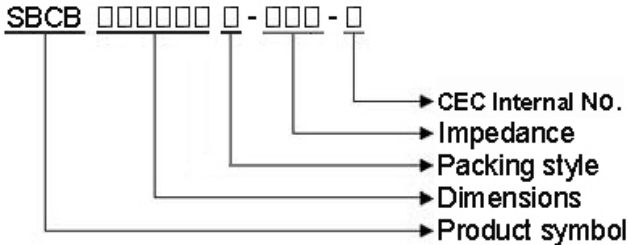
### Twisted Pair Cable Interface



### IEEE 1394 Port

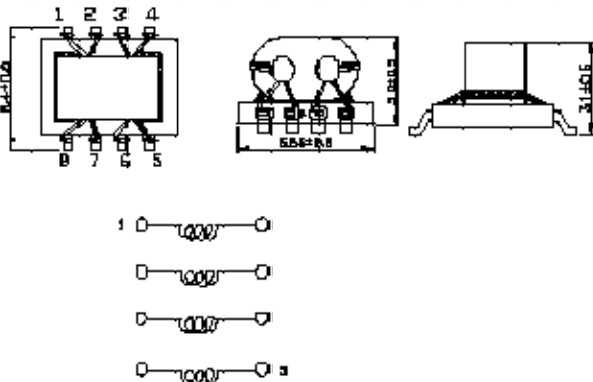


### Product Identification

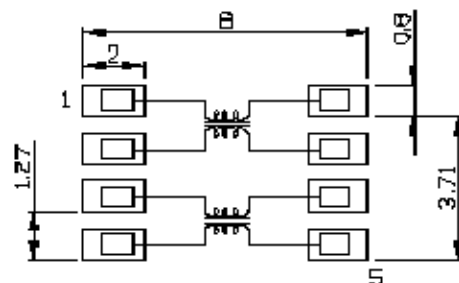


- Packaging: T : Tape and Reel

### Shape and Dimensions



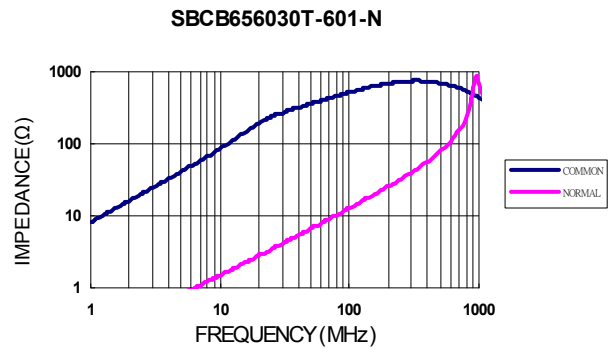
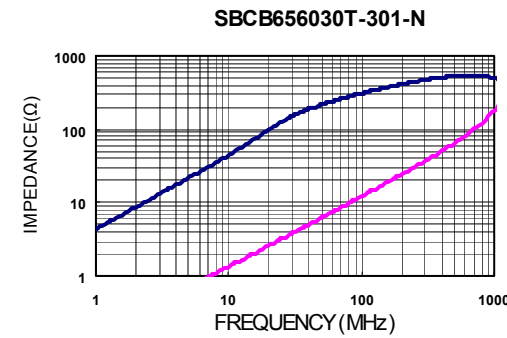
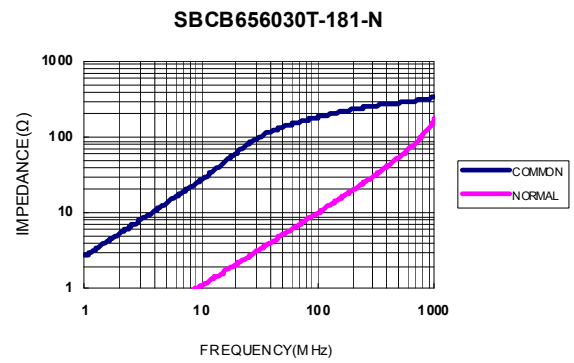
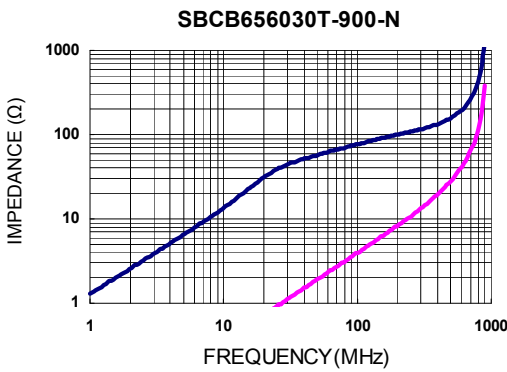
### Recommended Pattern



## Common Mode Choke For USB2.0 & IEEE1394 Applications

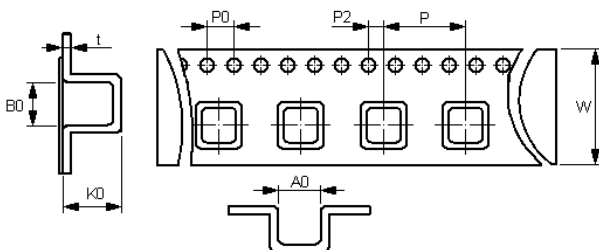
### Electrical Characteristics

Part Number	Impedance ( $\Omega$ ) COMMON MODE		Impedance ( $\Omega$ ) NORMAL MODE	
	@10MHz	@100MHz	@10MHz	@100MHz
	( $\Omega$ ) Min	( $\Omega$ ) Min	( $\Omega$ ) Min	( $\Omega$ ) Min
SBCB656030T-900-N	9	60	2	9
SBCB656030T-181-N	15	150	3	16
SBCB656030T-301-N	20	200	3	20
SBCB656030T-601-N	25	480	3	15

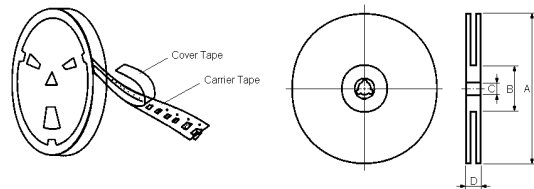


### Packaging Specifications

#### Tape Dimensions



#### Reel Dimensions



#### Dimensions in mm

TYPE	Tape Dimensions								Reel Dimensions				Quantity PCS / Reel
	W	P	P0	P2	A0	B0	K0	t	A	B	C	D	
SBCB656030	16.0	12	4.0	2.0	6.9	6.1	3.5	0.4	330	100	13.0	21.0	1000