

SMTB Series



SMTB 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.

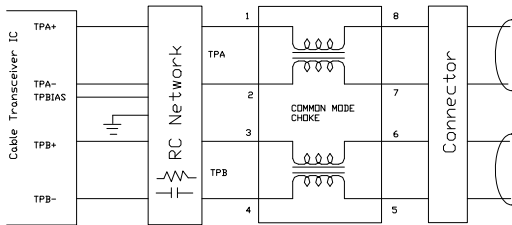
Features

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

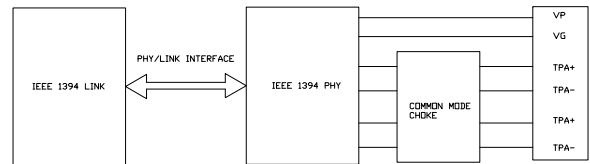
Applications

- 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

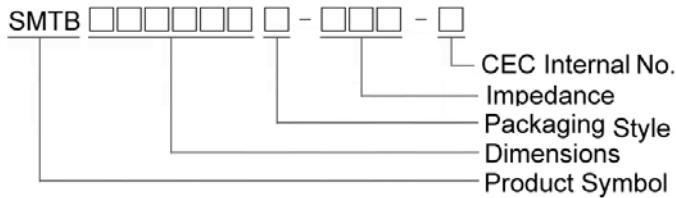
Twisted Pair Cable Interface



IEEE 1394 Port

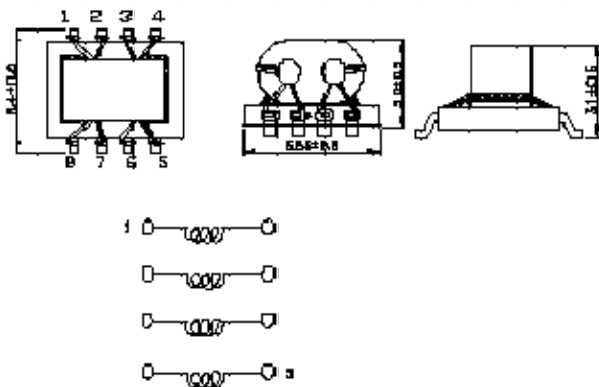


Product Identification

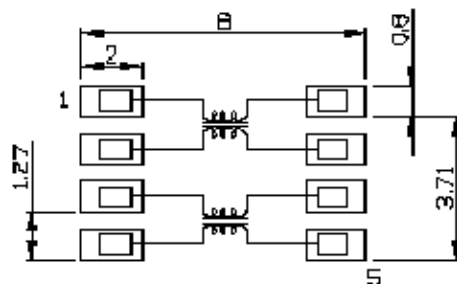


- Packaging: T : Tape and Reel

Shape and Dimensions



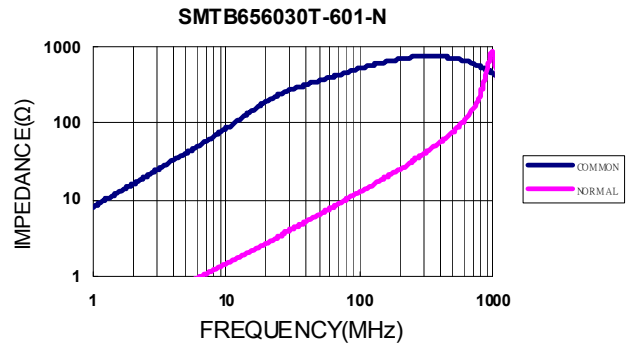
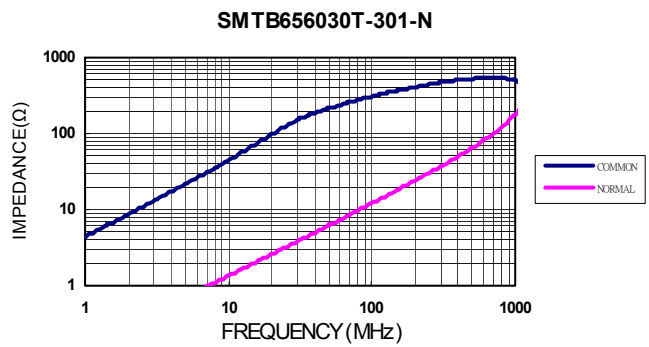
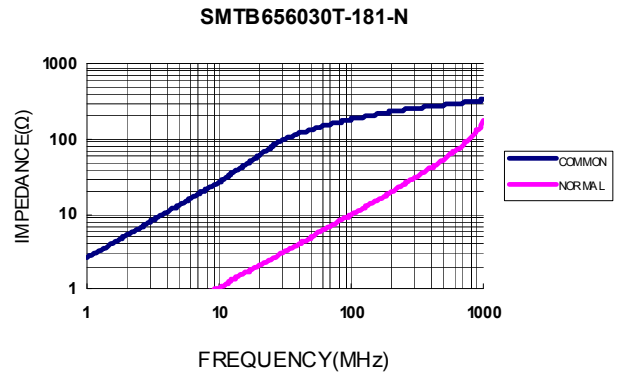
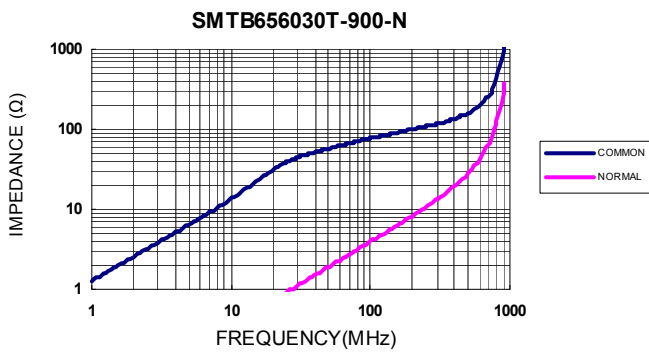
Recommended Pattern



Common Mode Choke For USB2.0 & IEEE1394 Applications

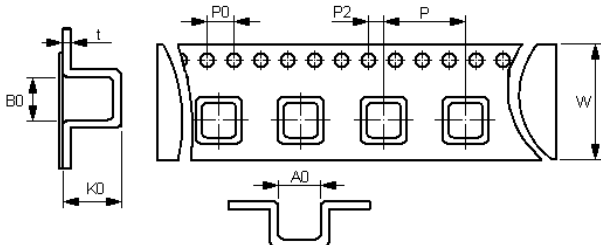
Electrical Characteristics

Part Number	Impedance (Ω) COMMON MODE		Impedance (Ω) NORMAL MODE	
	@10MHz	@100MHz	@10MHz	@100MHz
	(Ω) Min	(Ω) Min	(Ω) Min	(Ω) Min
SMTB656030T-900-N	9	60	2	9
SMTB656030T-181-N	15	150	3	16
SMTB656030T-301-N	20	200	3	20
SMTB656030T-601-N	25	480	3	15

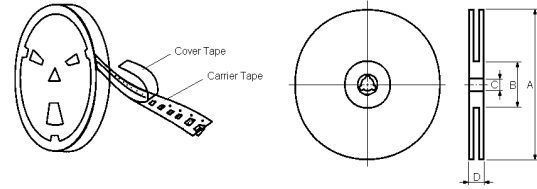


Packaging Specifications

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	
SMTB656030	16.0	12	4.0	2.0	6.9	6.1	3.5	0.4	330	100	13.0	21.0	1000