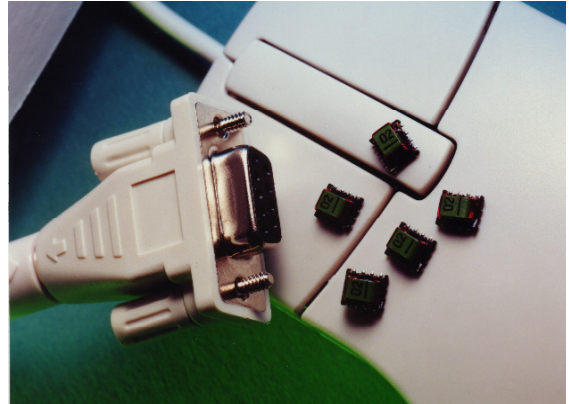


COMMON MODE CHOKE FOR IEEE 1394 APPLICATIONS

DESCRIPTION

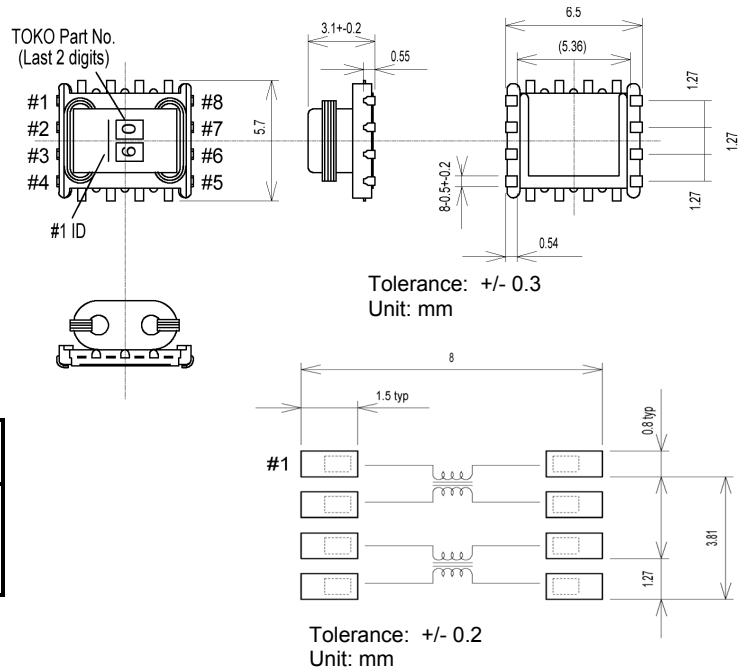
The B5W is a dual wound common mode choke ideal for common mode noise attenuation in twisted pair cable interfaces as well as IEEE 1394 applications. An excellent impedance balance between two sets of twisted pairs is achieved by winding across a single core. One B5W common mode choke coil per interface port is possible with this dual winding configuration.



FEATURES

- Low profile: 3.4 mm (Max.)
- Common mode impedance of 220 Ω at 100 MHz (typical)
- Operating temperature: -10°C to +60°C
- Storage temperature: -25°C to +70°C
- Suitable for reflow soldering
- Packaged on 2,000 piece reels

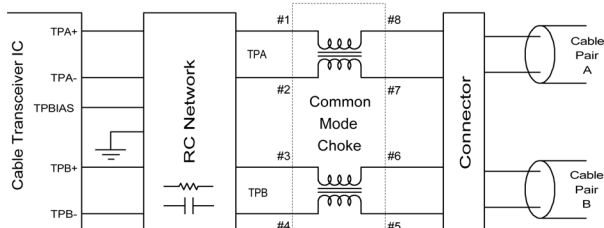
DIMENSIONS AND FOOTPRINT



Toko Part No.	Insertion Loss		I _{DC}	R _{DC}	Withstand Voltage
857CM-0009	50 MHz	2.8 dB +/- 2.0 dB	0.65 A (Max.)	0.3 Ω (Max.)	100 VDC
	100 MHz	7.3 dB +/- 2.5 dB			
	300 MHz	12.0 dB +/- 3.0 dB			
	500 MHz	14.0 dB +/- 3.0 dB			

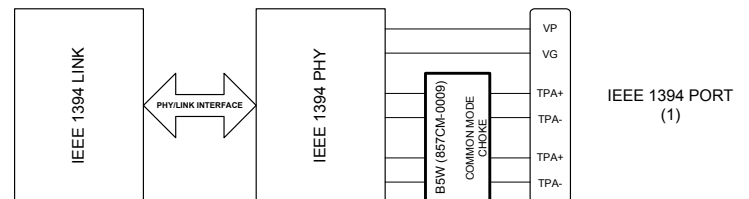
APPLICATIONS

Twisted Pair Cable Interface



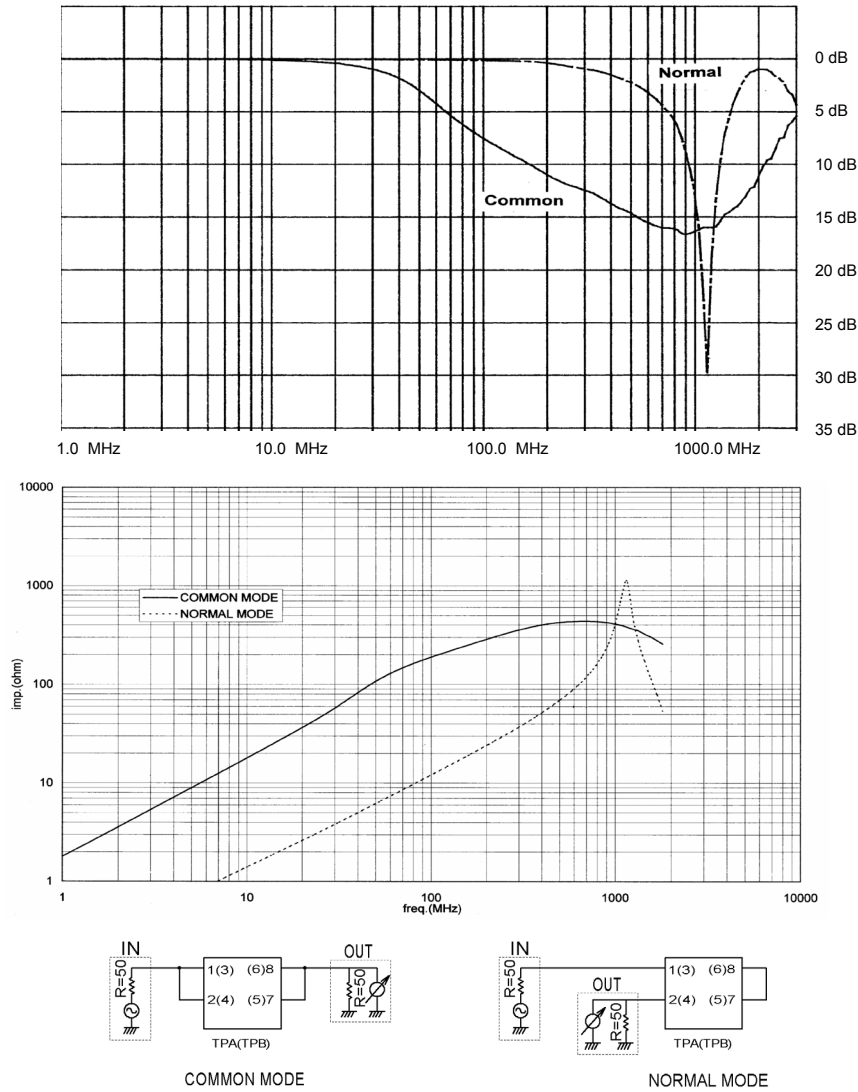
B5W (857CM-0009)

IEEE 1394 Port



B5W Series

ATTENUATION AND IMPEDANCE CHARACTERISTICS OF 857CM-0009



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TOKO America, Inc.
 1250 Feehanville Drive, Mt. Prospect, IL 60056
 Tel: (847) 297-0070 Fax: (847) 699-7864 Web: <http://www.tokoam.com/>

TOKO AMERICA REGIONAL OFFICES

Eastern Regional Office

Toko America, Inc.
 107 Mill Plain Road
 Danbury, CT 06811
 Tel: (203)748-6871
 Fax: (203)797-1223

Midwest Regional Office

Toko America, Inc.
 1250 Feehanville Drive
 Mount Prospect, IL 60056
 Tel: (847)297-0070
 Fax: (847)699-7864

Western Regional Office

Toko America, Inc.
 2480 North First Street, Suite 260
 San Jose, CA 95131
 Tel: (408)432-8281
 Fax: (408)943-9790