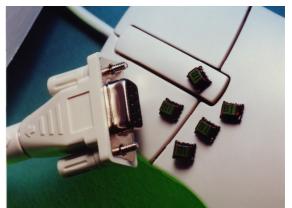
RTOKO

B5W Series

COMMON MODE CHOKE FOR IEEE 1394 APPLICATIONS

DESCRIPTION

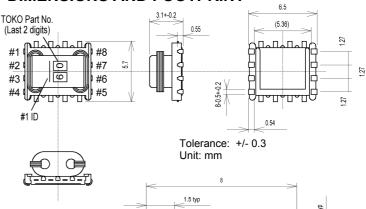
The B5W is a dual wound common mode choke ideal for common mode noise attenuation in twisted pair cable interfaces as well as IEEE 1394 applications. An excellent impedance balance between two sets of twisted pairs is achieved by winding across a single core. One B5W common mode choke coil per interface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



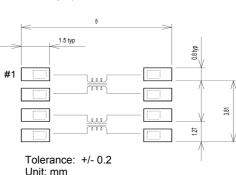
FEATURES

- 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

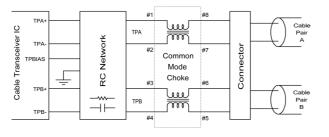


Toko Part No.	Insertion Loss		IDC	R _{DC}	Withstand Voltage
857CM-0009	50 MHz	2.8 dB +/- 2.0 dB	0.65 A	0.3 Ω	100 VDC
	100 MHz	7.3 dB +/- 2.5 dB	(Max.)	(Max.)	
	300 MHz	12.0 dB +/- 3.0 dB			
	500 MHz	14.0 dB +/- 3.0 dB			



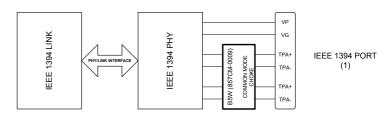
APPLICATIONS

Twisted Pair Cable Interface

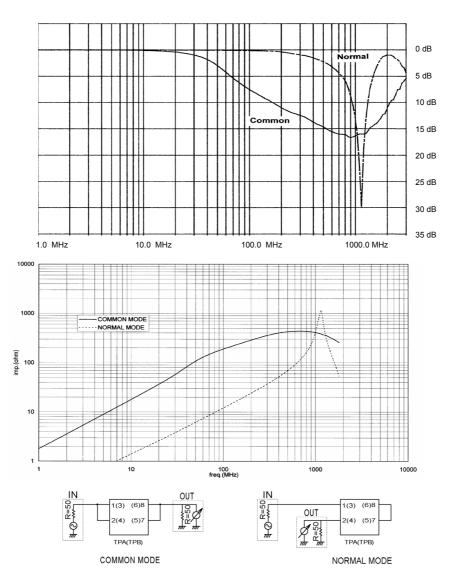


B5W (857CM-0009)

IEEE 1394 Port



January 1999



ATTENUATION AND IMPEDANCE CHARACTERISTICS OF 857CM-0009

The information furnished by TOKO, Inc., is believed to be accurate and reliable. However, TOKO reserves the right to make changes or improvements in the design, specification, or manufacture of its products without further notice. TOKO does not assume any liability arising from the application or use of any product or circuit described herein, nor for infringements of patents or other rights of third parties which may result form the use of its products. No license is granted by implication or otherwise under any patent or patent rights of TOKO, Inc.



TOKO America, Inc.

1250 Feehanville Drive, Mt. Prospect, IL 60056

Tel: (847) 297-0070 Fax: (847) 699-7864 Web: http://www.tokoam.com/

Eastern Regional Office

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

TOKO AMERICA REGIONAL OFFICES

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