



- USB 2.0
- Broadband
- Video Applications
- Imaging
- High Density Storage Devices
- Low Normal Mode Impedance

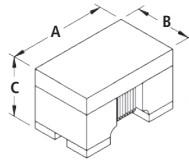
Laird Technologies' Series 05 Common Mode Chokes provide excellent filtering capabilities for workload speeds of 25 to 480 Mb/s. Series 05 Common Mode Chokes handle filtering for bandwidth-hungry data lines in USB 2.0 designs. By using these parts on data lines (D+ and D-), they will suppress common mode noise without affecting the integrity of the differential signal. Low normal mode impedance allows signals to pass. Available in package size EIA 0805.

PART NUMBERING SYSTEM EXAMPLE

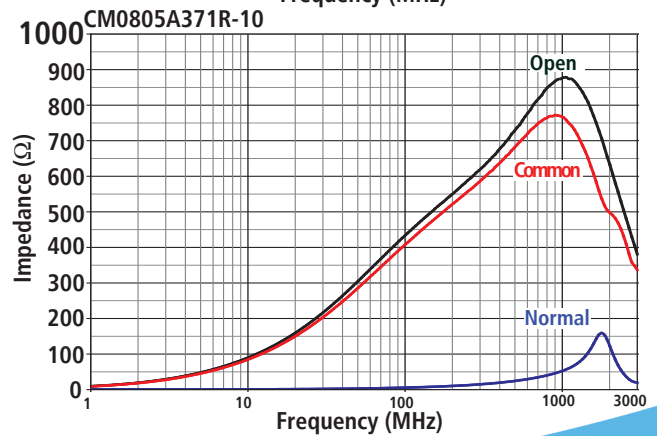
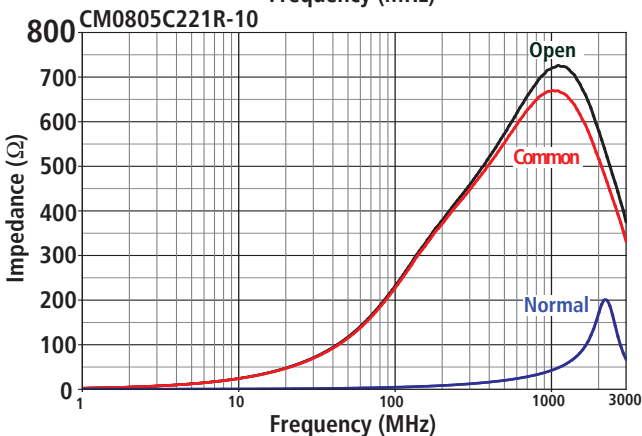
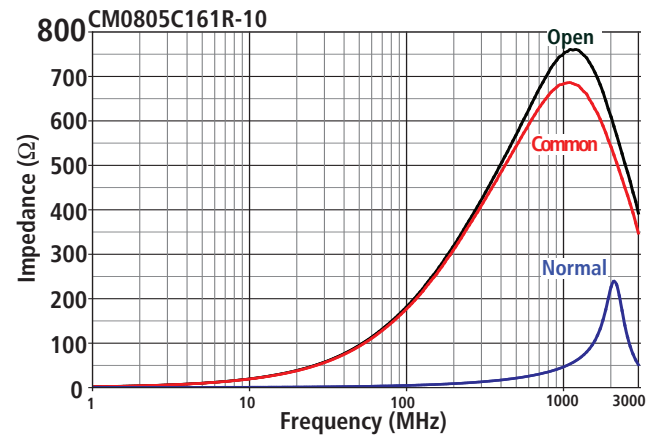
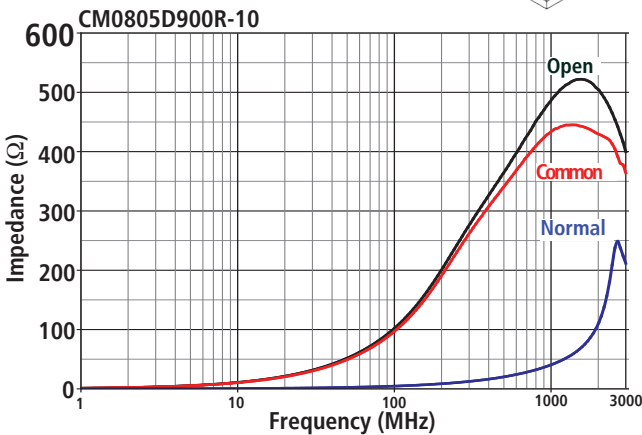
CM	0805	D	900	R	-10
Product Series Code	Part Size Code	Rated Current Code	Impedance Value Code	Packaging Code	Additional Description

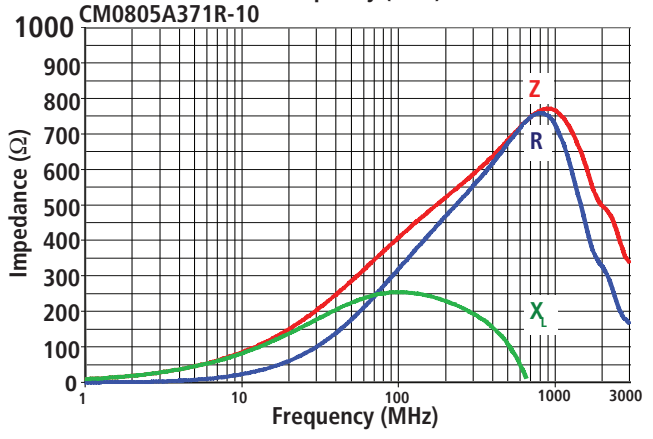
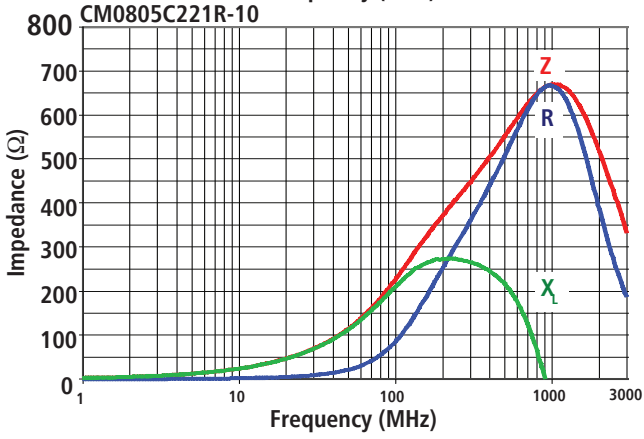
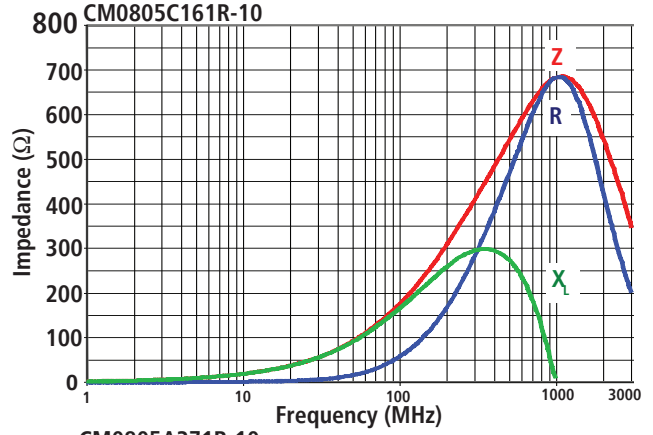
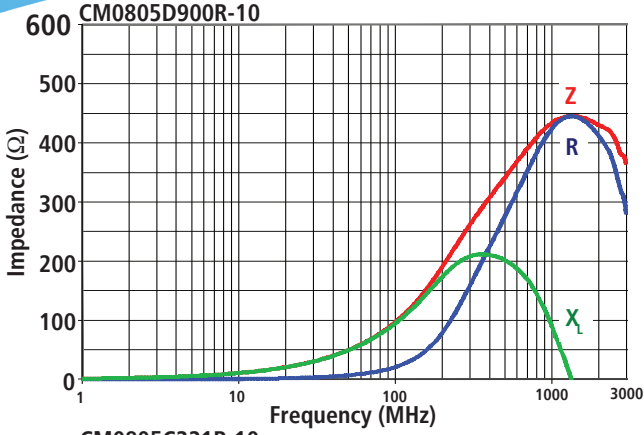
Part Number	TYPICAL IMPEDANCE (Ω)				Typical Peak Impedance (Ω)	Typical Peak Impedance Frequency (MHz)	DCR MAX (Ω)	Rated I MAX (continuous) mA
	Z @ 25 MHz	Z @ 100 MHz	Z @ 500 MHz	Z @ 1 GHz				
CM0805D900R-10	24	90	340	435	445	1405	0.30	400
CM0805C161R-10	49	160	540	684	684	1000	0.35	300
CM0805C221R-10	57	220	570	720	724	1147	0.40	300
CM0805A371R-10	186	370	730	878	878	1000	0.50	100

A mm (inches)	B mm (inches)	C mm (inches)
2.00 (0.079)	1.20 (0.047)	1.20 (0.047)

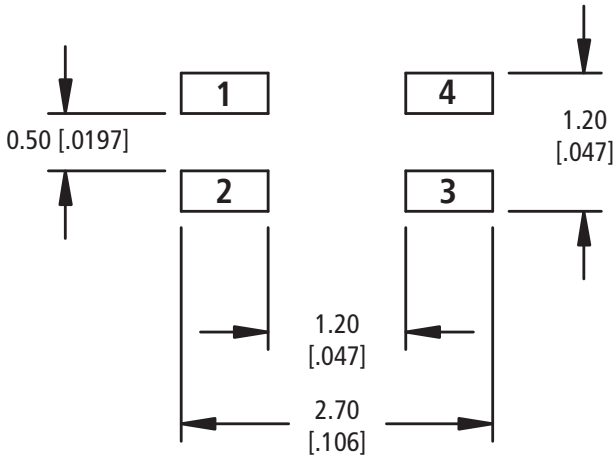


Surface Mount. Refer to part print for specific dimensions

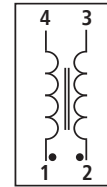




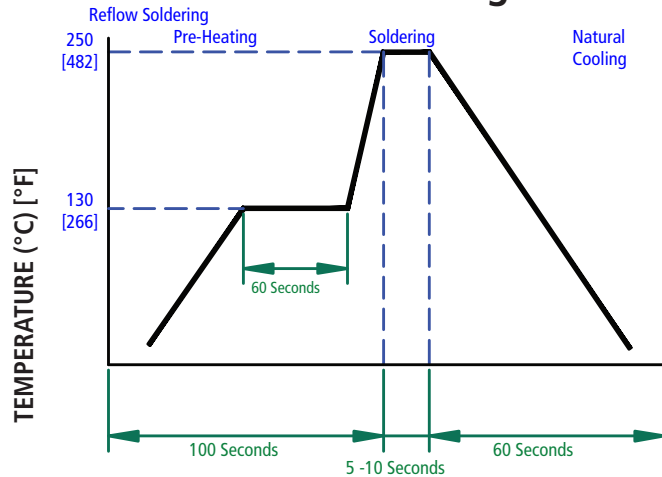
Land Pattern



Equivalent Circuit



Recommended Soldering Conditions



Visit www.LAIRDTECH.com for additional and the most up-to-date information.