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Inductor Design Worksheet

Name: _____ Company: _____

Street Address: _____

City: _____ State: _____ Country: _____ Postal Code: _____

Email: _____ Phone: _____ Fax: _____

Specific Application for this product: Medical Aerospace Military Other: _____

Prototype quantity: _____ Date needed: _____

Projected annual quantity: _____ Budgetary target price: _____

Application

Common mode choke Filter Other: _____
 Buck Boost V_{IN} (V): _____ V_{OUT} (V): _____ I_{OUT} (A): _____
Frequency (KHz): _____

Electrical

Inductance (μH): _____ Tolerance(%): _____ Q: _____
DC resistance max (Ohms): _____
Current (A): _____ DC _____ AC ripple
Frequency range (Hz): _____ to _____ Attenuation (dB): _____
Dielectric withstanding voltage(V): _____ DC AC Time(seconds): _____
Winding to core: _____ Winding to winding (common mode choke only): _____
Temperature rise, maximum (°C): _____ Component temperature max: _____
Ambient temperature range(°C): _____ to _____
Operating temperature range (°C): _____ to _____

Mechanical

Mounting Type: Surface Mount Leaded
Termination composition: Soldered? Yes No 63/37 RoHS Solder
Maximum size (mm): Length: _____ Width _____ Height _____

Other

Agency requirements: IEC UL CSA VDE IEC 60601-1 USP Class VI
 Other: _____
Similar Coilcraft product: _____
Working voltage(V): _____ Basic Supplementary Reinforced
Is there a print? Yes No Print date: _____
Qualification and test requirements: _____
Marking requirements: _____