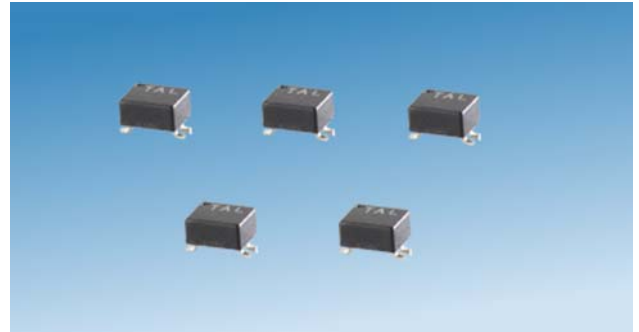


**CTJ-2 Series • Miniature SMD Common Mode Double Chokes**
**Features**

- Miniature, low cost SMD for pick and place compatability while providing consistent and reliable coplanarity
- Extended Operating Temperature Range: -40° to +125°C
- Other inductance values and special types for operation at 150°C ambient are available upon request
- High attenuation over a wide frequency range - CAN bus types to 500MHz
- Available in Bifilar and Sector winding (Suffix SE)
- Materials: UL94-VO
- Manufactured in an ISO 9001:2015 and ISO 14001:2015 certified Talema facility
- Fully RoHS & REACH Compliant and meets lead free reflow level J-STD-020C

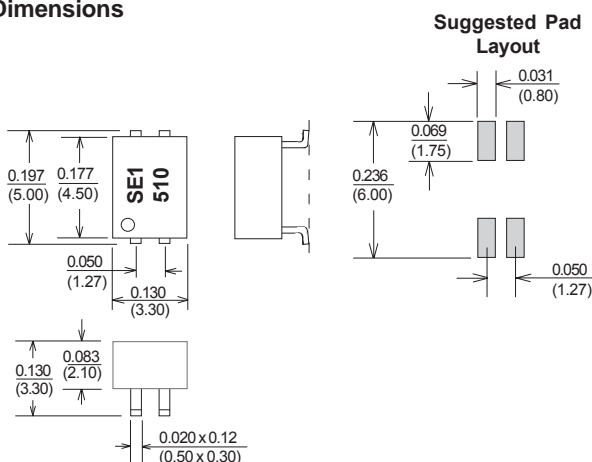
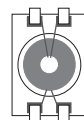

**Electrical Specifications @ 25°C**

Nominal Voltage: 42Vac (50/60Hz), 80Vdc  
 Operating Temperature: -40° to +125°C  
 Storage Temperature: -40° to +125°C  
 Climatic category: according to IEC68-1 40/125/56  
 Test voltage between windings: 500 Vrms

**Test frequency:**

Nominal Inductance: measured @ 100KHz/20mV  
 Leakage Inductance: measured @ 100KHz/100mV

Part Number	L <sub>N</sub> (μH)	I <sub>N</sub> (mA)	R <sub>CU</sub> (mOhms)	V <sub>T</sub> (Vrms)	Number of Data Lines
<b>Sector Winding for CAN bus and similiar applications</b>					
CTJ-2-110SE	11	250	160	500	2
CTJ-2-220SE	22	250	195	500	2
CTJ-2-330SE	33	200	260	500	2
CTJ-2-510SE	51	200	300	500	2
<b>Bifilar Winding for Data and Signal Lines</b>					
CTJ-2-110	11	300	160	500	2
CTJ-2-101	100	300	180	500	2
CTJ-2-221	220	200	250	500	2
CTJ-2-471	470	200	380	500	2
CTJ-2-102	1000	150	660	500	2
CTJ-2-222	2200	150	840	500	2
CTJ-2-332	3300	150	1500	500	2
CTJ-2-472	4700	150	1800	500	2

**Dimensions**

**Suggested Pad Layout**
**Bifilar (BE) Winding**

**Sector (SE) Winding**

**Schematic**


Dimensions: Inches (Millimeters)

Tolerance: ±0.010 (0.25) unless specified otherwise  
 Surface Coplanarity will be 0.004(0.10) maximum

**Packing Method:** Tape and Reel; Qty/Reel: 2000 Pcs

See following page for typical impedance curves

**Regional Locations - Design, Manufacturing, Sales & Marketing**
**Talema Group Regional Offices**
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**Locations of Talema Group Regional Offices**
