

Rev. 1 31.03.2010

**Purchasing Code: 248C25580X**

**248C25580X LC – Filter Female, Solder Pin RA 0,370in**

**Material:**

- Insulator: High Temperature Plastic GF (UL 94 V-0); black
- Shell: Steel
- Shell plating: min. 315 microinches Tin over 40-80 microinches Ni
- Contact material: Copper alloy
- Contacts plating: 30µin Gold over 50µin Nickel
- Metal Bracket: Zinc Die Cast, 300µin Copper / 40-120µin Tin over 80µin Nickel
- Threaded Insert & PCB-Snap: Copper Alloy, min. 200µin Tin over 80µin Nickel

**Electrical Data:**

- Dielectric withstanding voltage (DWV): 1500 VDC
- Working voltage: 100 VDC
- Contact resistance: max. 10 mΩ before stress, ΔR max. 10 mΩ after stress; according to DIN 41652, part 2
- Insulation resistance: ≥ 1 GΩ @ 100 VDC
- Current rating: 5 A (20°C)
- Voltage surge 10/700 µs: 300 V
- Mating/unmating forces: ≤ 30 N
- Temperature range working: -25°C to +105°C
- Humidity: 40°C / 85% relative humidity/RH
- Capacitor values: 1300 pF ± 20% tolerance
- Mating cycles: 500; quality class 1

**Environmental:**

- Working temperature: -25°C to +105°C
- Relative Humidity: MIL-STD-1344 method 1002, condition 2
- Test category: 25 / 105 / 56 to IEC 68 part 1
- Soldering: Recommended Wave Solder Profile see page 3

**Packing:**

- Labelled with part no. & description of the part
- Workable storage temperature & humidity: up to 55°C  
10-95% r.H. non condensing condition
- PH value of storage environment: 6.8 – 7.2
- Checked & signed by QS

**The complete series is UL (E202784), CSA (LR 115000-1) and VDE ( 40000441) approved. The connector is Directive 2002/95EC “RoHS” compliant.**



### Recommended Wave Solder Profile

