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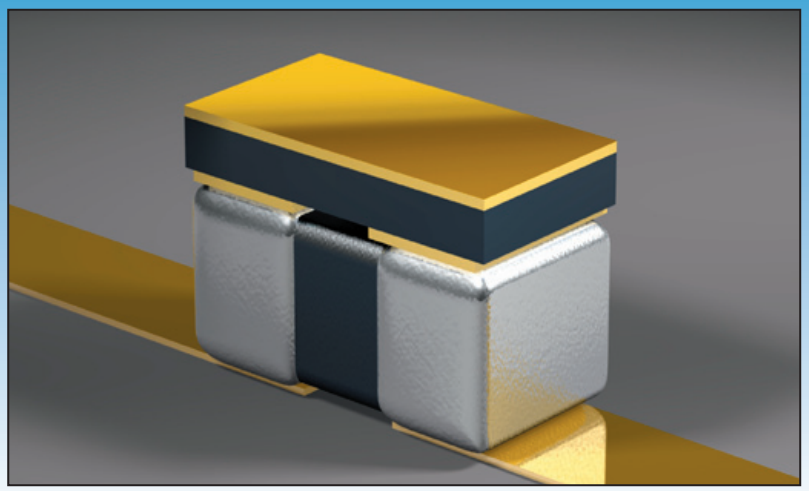
PX Series Broadband Blocking Device



Part number: PX42UX104KCZXT

Features

- X7R Temperature Stability (-55°C to +125°C)
- Low Frequency Stability
- Low Insertion Loss
- Solder or Epoxy attachment

Functional applications

- Broadband Microwave/Millimeter Wave
- Test Equipment
- ROSA/TOSA
- SONET

Specification

Electrical

Temperature Coefficient of Capacitance

X7R ±15% (-55°C to +125°C)

SLC: 120pF Guaranteed Minimum Value (GMV)
MLC: 100nF ±10%

Voltage

16WVDC

Dissipation Factor

3.0% @ 1MHz

Insulation Resistance

$>10^3$ MΩ

Assembly Process Temperature

250°C

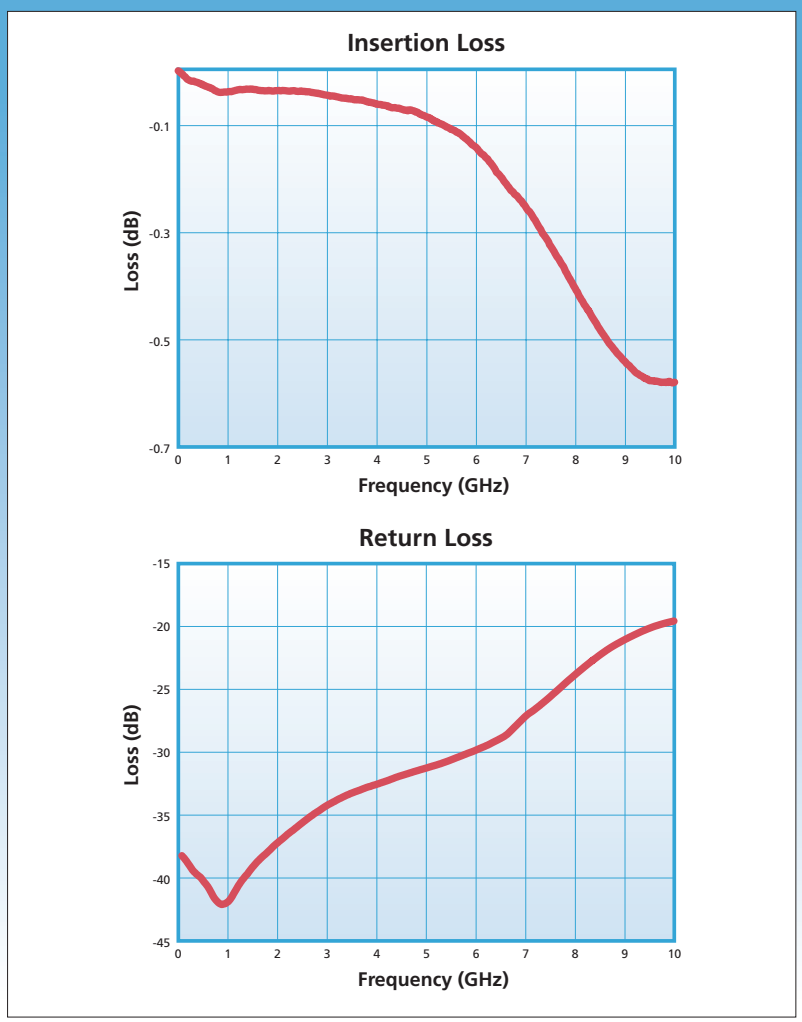
Metallization

Sn/Ni

Packaging

(T) Tape & Reel - (W) Waffle Pack

Performance Characteristics



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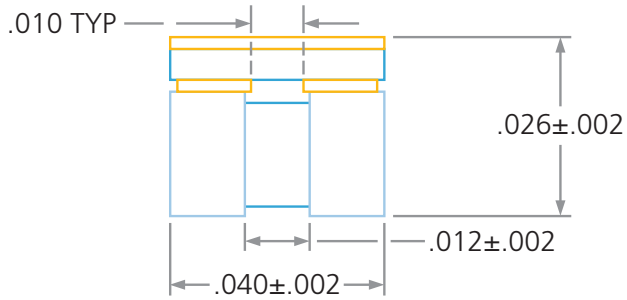
Dimensions



Attachment Methods - PX Series Broadband Blocking Device

Recommended attachment to soft or hard substrate using Conductive Epoxy

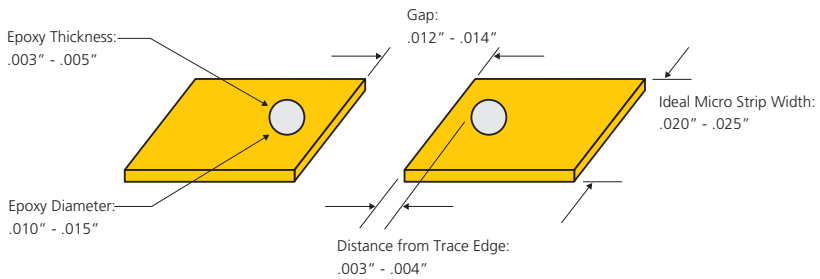
Recommended Micro Strip Layout:

Attachment Method

1. Place a single drop of conductive epoxy onto each micro-strip as illustrated; the edge of the epoxy shall be at least .003"-.004" back from the edge of the trace to prevent filling the gap with epoxy.
2. Centering the termination gap of the capacitor within the gap in the micro strip, press with careful, even pressure onto the micro strip ensuring the terminations make good contact with the epoxy drops.
3. Cure according to the epoxy manufacturer's preferred schedule
   - Typically 125°C to 150°C Max.
4. After curing, inspect joint for epoxy shorts across the termination and micro strip gaps that would cause a short across the cap.

   Isopropanol and Methanol are both safe to use to pre clean.

Isopropanol and Methanol are not to be used after mounting with conductive epoxy as they act as a solvent.



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