

UBC[™] 550 SERIES ULTRA-BROADBAND CAPACITORS



Scan Code
for Web Page



[Click here to view the 550 series datasheet](#)

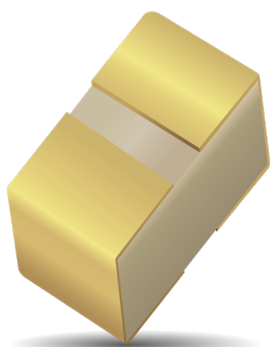
CHARACTERISTICS

- Ultra-Low Insertion Loss
- Excellent Return Loss
- Flat Frequency Response
- High Repeatability
- Rugged Ceramic Construction

BASIC OVERVIEW

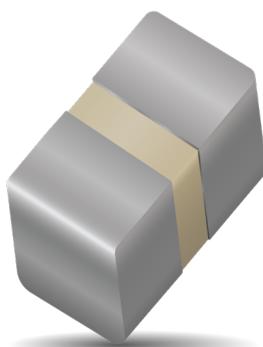
AVX's new 550 Ultra-Broadband Capacitors are manufactured with highest quality materials to provide reliable and repeatable ultra-broadband performance from 16 KHz through 70+ GHz. It exhibits ultra-low insertion loss, flat frequency response and excellent return loss.

550Z SERIES



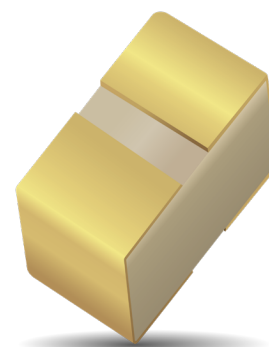
- **0201 UBC**
- **Capacitance:** 10 nF
- 160 KHz to 70+ GHz
- **Insertion Loss:** <0.4 dB typ
- **Voltage Rating:** 10 WVDC
- RoHS Compliant

550U SERIES



- **0201* UBC**
- **Capacitance:** 100 nF
- 16 KHz to 70+ GHz
- **Insertion Loss:** <0.4 dB typ
- **Voltage Rating:** 6.3 WVDC
- RoHS Compliant

550L SERIES



- **0402 UBC**
- **Capacitance:** 100 nF
- 16 KHz to 70+ GHz
- **Insertion Loss:** <0.5 dB typ
- **Voltage Rating:** 16 WVDC
- RoHS Compliant



UBC™ 550 SERIES ULTRA-BROADBAND CAPACITORS



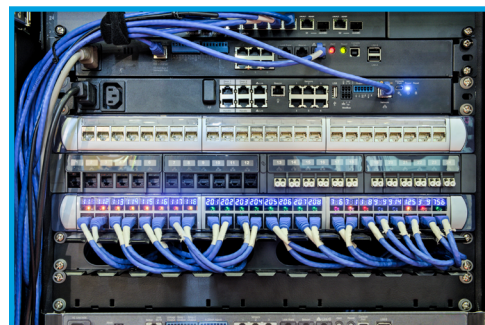
Scan Code
for Web Page



[Click here to view the 550 series datasheet](#)

APPLICATIONS

- ▶ Optoelectronics
- ▶ High Speed Data
- ▶ Transimpedance Amplifiers
- ▶ Broadband Test Equipment
- ▶ Synchronous Optical Network (SONET)
- ▶ Broadband Microwave/Millimeter Wave
- ▶ Receive and Transmit Optical Sub-Assembly (ROSA/TOSA)



AVX ADVANTAGE VS. COMPETITOR

One Piece Construction vs. Two Piece Construction

IMMEDIATELY AVAILABLE PART NUMBERS

- ▶ 550Z103PTT
- ▶ 550Z103PCAT

- ▶ 550U104MTT
- ▶ 550U104MCAT

- ▶ 550L104KTT
- ▶ 550L104KCAT

NORTH AMERICA

Mohammed Abu-Naim
RF Product Manager
TEL: +1-864-962-6115
mohammed.abu-naim@avx.com

EUROPE

Houda Rais
RF Product Manager
TEL: +33 (0) 6 38-37-87-59
houda.rais@avx.com

ASIA & JAPAN

Frank Yang
Product Marketing Manager
TEL: +86 2132551833
frank.yang@avx.com

