

AVX SMD Flexiterm™ Ceramic Capacitors

RoHS Compliant This product is RoHS compliant.



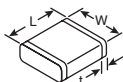
MLCC WITH SOFT TERMINATION (CONT.)

XR7 formulations are called "temperature stable" ceramics and fall into EIA Class II materials.

Features:

- Capacitance change is non-linear
- Temperature Range: -55°C to +125°C

| Case Size | DIMENSIONS: mm (in.) | | |
|-----------|----------------------|-----------|-----------------|
| | Length (L) | Width (W) | Termination (t) |
| 0603 | 1.60±0.15 | 0.81±0.15 | 0.35±0.15 |
| 0805 | 2.01±0.20 | 1.25±0.20 | 0.50±0.25 |
| 1206 | 3.20±0.20 | 1.60±0.20 | 0.50±0.25 |
| 1210 | 3.20±0.20 | 2.50±0.20 | 0.50±0.25 |



For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | AVX Part No. | Value (pF) | Volt | Tol. ± | Price Each | | | Reel Qty. | Price Per Piece |
|---------------------------|----------------|------------|------|--------|------------|------|------|-----------|-----------------|
| | | | | | 1 | 100 | 500 | | |
| 1206 Style (Cont.) | | | | | | | | | |
| 581-12065C472KAZ2A | 12065C472KAZ2A | 4700 | 50 | 10 | .19 | .13 | .075 | 4000 | .05 |
| 581-12061C472KAZ2A | 12061C472KAZ2A | 4700 | 100 | 10 | .37 | .14 | .13 | 4000 | .072 |
| 581-12061C562KAZ2A | 12061C562KAZ2A | 5600 | 100 | 10 | .33 | .14 | .129 | 4000 | .069 |
| 581-12061C822KAZ2A | 12061C822KAZ2A | 8200 | 100 | 10 | .37 | .14 | .13 | 4000 | .072 |
| 581-12065C103KAZ2A | 12065C103KAZ2A | 10000 | 50 | 10 | .41 | .147 | .137 | 4000 | .054 |
| 581-12061C103KAZ2A | 12061C103KAZ2A | 10000 | 100 | 10 | .41 | .147 | .137 | 4000 | .054 |
| 581-12062C103KAZ2A | 12062C103KAZ2A | 10000 | 200 | 10 | .61 | .36 | .21 | 4000 | .101 |
| 581-12065C153KAZ2A | 12065C153KAZ2A | 15000 | 50 | 10 | .37 | .14 | .13 | 4000 | .072 |
| 581-12061C153KAZ2A | 12061C153KAZ2A | 15000 | 100 | 10 | .46 | .27 | .157 | 4000 | .073 |
| 581-12065C224KAZ2A | 12065C224KAZ2A | 22000 | 50 | 10 | .37 | .14 | .13 | 4000 | .072 |
| 581-12061C224KAZ2A | 12061C224KAZ2A | 22000 | 100 | 10 | .46 | .27 | .157 | 4000 | .076 |
| 581-12065C334KAZ2A | 12065C334KAZ2A | 33000 | 50 | 10 | .37 | .14 | .13 | 4000 | .072 |
| 581-12061C334KAZ2A | 12061C334KAZ2A | 33000 | 100 | 10 | .46 | .27 | .157 | 4000 | .076 |
| 581-12065C473KAZ2A | 12065C473KAZ2A | 47000 | 50 | 10 | .37 | .14 | .13 | 4000 | .072 |
| 581-12061C473JAZ2A | 12061C473JAZ2A | 47000 | 100 | 5 | .45 | .33 | .189 | 2000 | .091 |
| 581-12061C473KAZ2A | 12061C473KAZ2A | 47000 | 100 | 10 | .46 | .27 | .157 | 2000 | .076 |
| 581-12065C683KAZ2A | 12065C683KAZ2A | 68000 | 50 | 10 | .27 | .16 | .14 | 4000 | .055 |
| 581-12061C104JAZ2A | 12061C104JAZ2A | 0.1µF | 100 | 5 | .61 | .36 | .21 | 2000 | .101 |
| 581-12065C154KAZ2A | 12065C154KAZ2A | 0.15µF | 50 | 10 | .67 | .27 | .23 | 2000 | .094 |
| 581-12063C224KAZ2A | 12063C224KAZ2A | 0.22µF | 25 | 10 | .67 | .27 | .23 | 2000 | .094 |
| 581-12065C224KAZ2A | 12065C224KAZ2A | 0.22µF | 50 | 10 | .66 | .39 | .225 | 2000 | .15 |
| 581-12065C224KAZ2A | 12065C224KAZ2A | 0.22µF | 50 | 10 | .67 | .27 | .23 | 4000 | .094 |
| 581-12061C224KAZ2A | 12061C224KAZ2A | 0.22µF | 100 | 10 | 1.52 | .90 | .51 | 2000 | .32 |
| 581-12063C334KAZ2A | 12063C334KAZ2A | 0.33µF | 25 | 10 | .50 | .29 | .27 | 2000 | .128 |
| 581-12063C334KAZ2A | 12063C334KAZ2A | 0.33µF | 50 | 10 | .48 | .28 | .26 | 2000 | .149 |
| 581-12061C334KAZ2A | 12061C334KAZ2A | 0.33µF | 100 | 10 | 1.52 | .90 | .51 | 2000 | .36 |
| 581-12063C474KAZ2A | 12063C474KAZ2A | 0.47µF | 25 | 10 | .48 | .28 | .26 | 2000 | .149 |
| 581-12065C474KAZ2A | 12065C474KAZ2A | 0.47µF | 50 | 10 | .50 | .29 | .27 | 2000 | .128 |
| 581-12063C684KAZ2A | 12063C684KAZ2A | 0.68µF | 25 | 10 | 4.50 | 3.18 | 1.83 | 2000 | .88 |
| 581-12063C824KAZ2A | 12063C824KAZ2A | 0.82µF | 25 | 10 | 2.80 | 2.00 | 1.00 | 2000 | .78 |
| 581-1206YC105KAZ2A | 1206YC105KAZ2A | 1µF | 16 | 10 | .73 | .49 | .40 | 2000 | .25 |
| 581-12063C105KAZ2A | 12063C105KAZ2A | 1µF | 25 | 10 | 2.13 | 1.39 | .80 | 2000 | .53 |
| 581-12065C105JAZ2A | 12065C105JAZ2A | 1µF | 50 | 5 | 1.14 | .812 | .756 | 2000 | .378 |
| 581-12065C105KAZ2A | 12065C105KAZ2A | 1µF | 50 | 10 | 1.67 | 1.36 | .78 | 2000 | .44 |
| 581-12061C105KAZ2A | 12061C105KAZ2A | 1µF | 100 | 10 | 1.67 | 1.36 | .78 | 2000 | .44 |
| 581-1206ZC225KAZ2A | 1206ZC225KAZ2A | 2.2µF | 10 | 10 | 1.80 | 1.06 | .61 | 2000 | .22 |
| 581-12063C225KAZ2A | 12063C225KAZ2A | 2.2µF | 25 | 10 | 1.11 | .65 | .45 | 2000 | .226 |
| 581-12063C225KAZ2A | 12063C225KAZ2A | 2.2µF | 25 | 10 | 1.80 | 1.06 | .61 | 2000 | .22 |
| 581-12065C475KAZ2A | 12065C475KAZ2A | 4.7µF | 50 | 10 | .67 | .41 | .29 | 2500 | .189 |

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | AVX Part No. | Value (pF) | Volt | Tol. ± | Price Each | | | Reel Qty. | Price Per Piece |
|---------------------------|----------------|------------|------|--------|------------|------|------|-----------|-----------------|
| | | | | | 1 | 100 | 500 | | |
| 1210 Style (Cont.) | | | | | | | | | |
| 581-12103C104KAZ2A | 12103C104KAZ2A | 0.1µF | 25 | 10 | .65 | .43 | .25 | 4000 | .088 |
| 581-12105C104KAZ2A | 12105C104KAZ2A | 0.1µF | 50 | 10 | .77 | .235 | .168 | 4000 | .083 |
| 581-12101C104KAZ2A | 12101C104KAZ2A | 0.1µF | 100 | 10 | .37 | .49 | .42 | 2000 | .18 |
| 581-12101C154KAZ2A | 12101C154KAZ2A | 0.15µF | 100 | 10 | .72 | .31 | .28 | 2000 | .156 |
| 581-12103C224MAZ2A | 12103C224MAZ2A | 0.22µF | 25 | 20 | .67 | .42 | .31 | 4000 | .12 |
| 581-12105C224KAZ2A | 12105C224KAZ2A | 0.22µF | 50 | 10 | .44 | .31 | .22 | 2000 | .13 |
| 581-12105C224MAZ2A | 12105C224MAZ2A | 0.22µF | 50 | 20 | .67 | .42 | .31 | 4000 | .12 |
| 581-12101C224KAZ2A | 12101C224KAZ2A | 0.22µF | 100 | 10 | 1.07 | .63 | .36 | 2000 | .19 |
| 581-12105C334KAZ2A | 12105C334KAZ2A | 0.33µF | 50 | 10 | .78 | .46 | .26 | 2000 | .188 |
| 581-12101C334KAZ2A | 12101C334KAZ2A | 0.33µF | 100 | 10 | 1.01 | .59 | .34 | 2000 | .166 |
| 581-12105C474KAZ2A | 12105C474KAZ2A | 0.47µF | 50 | 10 | .78 | .46 | .26 | 2000 | .188 |
| 581-12101C474KAZ2A | 12101C474KAZ2A | 0.47µF | 100 | 10 | 1.01 | .59 | .34 | 2000 | .166 |
| 581-12101C684KAZ2A | 12101C684KAZ2A | 0.68µF | 100 | 10 | 2.80 | 2.00 | 1.00 | 1000 | .97 |
| 581-12103C105KAZ2A | 12103C105KAZ2A | 1µF | 25 | 10 | 2.52 | .90 | .84 | 2000 | .45 |
| 581-12105C105KAZ2A | 12105C105KAZ2A | 1µF | 50 | 10 | 1.77 | 1.63 | 1.14 | 2000 | .54 |
| 581-12101C105KAZ2A | 12101C105KAZ2A | 1µF | 100 | 10 | 1.26 | .772 | .623 | 1000 | .274 |
| 581-12101C105KAZ2A | 12101C105KAZ2A | 1µF | 100 | 10 | 2.46 | 1.45 | 1.04 | 1000 | .72 |
| 581-12103C225KAZ2A | 12103C225KAZ2A | 2.2µF | 25 | 10 | 3.24 | 2.40 | 1.38 | 2000 | .61 |
| 581-12105C225KAZ2A | 12105C225KAZ2A | 2.2µF | 50 | 10 | 4.48 | 2.91 | 1.68 | 1000 | 1.31 |
| 581-12101C225KAZ2A | 12101C225KAZ2A | 2.2µF | 100 | 10 | 2.48 | 1.86 | 1.24 | 1000 | .89 |
| 581-12105C335KAZ2A | 12105C335KAZ2A | 3.3µF | 50 | 10 | 2.14 | 1.76 | 1.57 | 1000 | .882 |
| 581-1210YC475KAZ2A | 1210YC475KAZ2A | 4.7µF | 16 | 10 | 3.78 | 1.35 | 1.26 | 2000 | .68 |
| 581-12105C475KAZ2A | 12105C475KAZ2A | 4.7µF | 50 | 10 | 2.79 | 2.09 | 1.39 | 1000 | .85 |
| 581-12105C475KAZ2A | 12105C475KAZ2A | 4.7µF | 50 | 10 | 2.79 | 2.09 | 1.39 | 1000 | .85 |
| 581-12105C475MAZ2A | 12105C475MAZ2A | 4.7µF | 50 | 20 | 5.00 | 3.27 | 1.02 | 1000 | .93 |
| 581-12103C106KAZ2A | 12103C106KAZ2A | 10µF | 25 | 10 | 3.20 | 2.60 | 2.40 | 1000 | 1.35 |

AVX Flexible Termination, SMD

| MOUSER STOCK NO. | AVX Part No. | Value (pF) | Volt | Tol. ± | Price Each | | | Reel Qty. | Price Per Piece |
|--------------------|----------------|------------|------|--------|------------|-----|-----|-----------|-----------------|
| | | | | | 1 | 100 | 500 | | |
| 1210 Style | | | | | | | | | |
| 581-12101C223KAZ2A | 12101C223KAZ2A | 22000 | 100 | 10 | .77 | .46 | .26 | 4000 | .18 |
| 581-12101C473KAZ2A | 12101C473KAZ2A | 47000 | 100 | 10 | .77 | .46 | .26 | 4000 | .18 |
| 581-12101C683KAZ2A | 12101C683KAZ2A | 68000 | 100 | 10 | .77 | .49 | .42 | 2000 | .18 |
| 581-12101C823MAZ2A | 12101C823MAZ2A | 82000 | 100 | 20 | .77 | .46 | .26 | 4000 | .18 |

MLCC WITH HIGH VOLTAGE

Features:

- For 600V-3000V apps
- Meet high value, low leakage, and small size performance characteristics
- Temperature Range: -55°C to +125°C

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | AVX Part No. | Value (pF) | Volt | Tol. ± | Price Each | | | Reel Qty. | Price Per Piece |
|--------------------|----------------|------------|------|--------|------------|------|------|-----------|-----------------|
| | | | | | 1 | 100 | 500 | | |
| 1206 Style | | | | | | | | | |
| 581-1206GC101KAZ1A | 1206GC101KAZ1A | 100 | 2000 | 10 | .75 | .465 | .37 | 2000 | .21 |
| 581-1206GC471KAZ1A | 1206GC471KAZ1A | 470 | 2000 | 10 | .60 | .35 | .206 | 2000 | .139 |
| 581-1206GC102KAZ1A | 1206GC102KAZ1A | 1000 | 2000 | 10 | .75 | .53 | .37 | 2000 | .27 |
| 581-1206AC472KAZ1A | 1206AC472KAZ1A | 4700 | 1000 | 10 | .60 | .35 | .206 | 2000 | .139 |
| 581-1206AC682KAZ1A | 1206AC682KAZ1A | 6800 | 1000 | 10 | .60 | .39 | .225 | 2000 | .189 |
| 581-1206CC103KAZ1A | 1206CC103KAZ1A | 10000 | 600 | 10 | .60 | .35 | .206 | 2000 | .139 |
| 1210 Style | | | | | | | | | |
| 581-1210GC102KAZ1A | 1210GC102KAZ1A | 1000 | 2000 | 10 | 1.00 | .75 | .50 | 2000 | .36 |
| 581-1210GC332KAZ1A | 1210GC332KAZ1A | 3300 | 2000 | 10 | .70 | .52 | .35 | 2000 | .25 |
| 581-1210SC562KAZ1A | 1210SC562KAZ1A | 5600 | 1500 | 10 | .64 | .48 | .32 | 2000 | .23 |
| 581-1210AC103KAZ1A | 1210AC103KAZ1A | 10000 | 1000 | 10 | 1.00 | .75 | .50 | 2000 | .36 |
| 1808 Style | | | | | | | | | |
| 581-1808HC102KAZ1A | 1808HC102KAZ1A | 1000 | 3000 | 10 | 1.23 | .99 | .81 | 2000 | .405 |
| 581-1808HC102MAZ1A | 1808HC102MAZ1A | 1000 | 3000 | 20 | 2.37 | 1.78 | 1.05 | 2000 | .459 |
| 581-1808HC182KAZ1A | 1808HC182KAZ1A | 1800 | 3000 | 10 | 1.66 | 1.25 | .74 | 2000 | .322 |
| 581-1808GC332KAZ1A | 1808GC332KAZ1A | 3300 | 2000 | 10 | .88 | .66 | .44 | 2000 | .28 |
| 581-1808AC103KAZ1A | 1808AC103KAZ1A | 10000 | 1000 | 10 | 2.08 | 1.56 | .925 | 2000 | .403 |
| 581-1808CC683KAZ1A | 1808CC683KAZ1A | 68000 | 600 | 10 | .96 | .72 | .48 | 2000 | .31 |
| 1812 Style | | | | | | | | | |
| 581-1812HC471KAZ1A | 1812HC471KAZ1A | 470 | 3000 | 10 | 2.70 | 1.62 | .93 | 1000 | .45 |
| 581-1812HC102KAZ1A | 1812HC102KAZ1A | 1000 | 3000 | 10 | 1.60 | 1.20 | .80 | 1000 | .57 |
| 581-1812HC102MAZ1A | 1812HC102MAZ1A | 1000 | 3000 | 20 | 1.24 | .881 | .76 | 1000 | .426 |
| 581-1812HC222KAZ1A | 1812HC222KAZ1A | 2200 | 3000 | 10 | 1.60 | 1.20 | .80 | 1000 | .57 |
| 581-1812HC272KAZ1A | 1812HC272KAZ1A | 2700 | 3000 | 10 | .83 | .62 | .41 | 1000 | .30 |
| 581-1812HC332KAZ1A | 1812HC332KAZ1A | 3300 | 3000 | 10 | 1.36 | 1.02 | .68 | 1000 | .49 |
| 581-1812HC392KAZ1A | 1812HC392KAZ1A | 3900 | 3000 | 10 | 1.56 | 1.17 | .78 | 1000 | .56 |
| 581-1812GC472KAZ1A | 1812GC472KAZ1A | 4700 | 2000 | 10 | 1.60 | 1.20 | .80 | 1000 | .57 |
| 581-1812GC822KAZ1A | 1812GC822KAZ1A | 8200 | 2000 | 10 | 1.02 | .76 | .50 | 1000 | .36 |
| 581-1812AC103KAZ1A | 1812AC103KAZ1A | 10000 | 1000 | 10 | 1.60 | 1.20 | .80 | | |