

2225X (.220" x .250")



◆ 2225X Capacitance & Rated Voltage Table

| Cap. uF | Code | Tol. | Rated WVDC | Cap. uF | Code | Tol. | Rated WVDC | Cap. uF | Code | Tol. | Rated WVDC |
|---------|------|------|---------------------|---------|-------|------|---------------------|---------|---------------------|------|---------------------|
| 0.010 | 103 | K,M | 300V Code 301 | 0.082 | 823 | K,M | 200V Code 201 | 0.330 | 334 | K,M | 150V Code 151 |
| 0.012 | 123 | | | 0.100 | 104 | | | 0.470 | 474 | | |
| 0.015 | 153 | | | 0.120 | 124 | | | 0.560 | 564 | | |
| 0.022 | 223 | | 0.150 | 154 | 0.680 | | 684 | | | | |
| 0.033 | 333 | | 250V Code 251 | 0.220 | 224 | | 0.820 | 824 | 100V Code 101 | | |
| 0.047 | 473 | | | 1.000 | 105 | | | | | | |
| 0.068 | 683 | | | | | | | | | | |

Remark: special capacitance, tolerance and WVDC are available, consult with PASSIVE PLUS.

◆ 2225X Dimensions

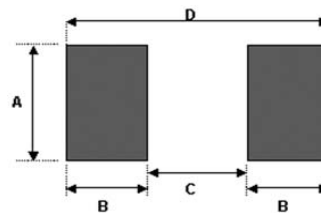
unit:inch(millimeter)

| Series | Term. Code | Type/Outlines | Length (Lc) | Width (Wc) | Thickness (Tc) | B | Plated Material |
|--------|------------|---------------|---|--------------------------|-----------------------|-----------------------------------|------------------|
| 2225X | W | Chip | .230+.020 ~ -.012 (5.84+0.51 ~ -.30) | .250±.015 (6.35±0.38) | .165 (4.19) Max | .030 ±.015 (0.762 ±0.38) | Sn/Ni (RoHS) |
| | P | | | | | | Cu (RoHS) |
| | L | | | | | | Sn (90%)/Pb(10%) |
| | C | | | | | | Ag/Pb |
| | CA | | | | | | Au/Ni |

◆ 2225X Recommended Mounting Pads

| Size | A Min. | B Min. | C Min. | D Min. |
|-------|--------|--------|--------|--------|
| VERT | .185" | .050" | .200" | .300" |
| HORIZ | .280" | .050" | .200" | .300" |

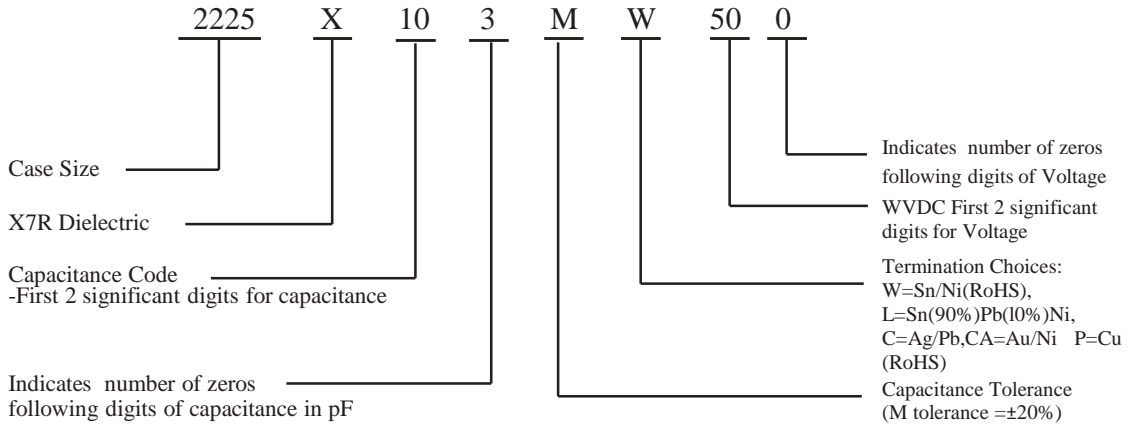
VERT= Vertical Mount, HORIZ = Horizontal Mount



◆ Performance

| Item | Specifications |
|---------------------------------------|--|
| Operating Temperature Range | -55°Cto +125°C |
| Insulation Resistance (IR) | Insulation resistance @ +25°C >1000ΩF Insulation resistance @ +125°C >100ΩF |
| Temp Voltage Coefficient | ± 15% Maximum |
| Dielectric Withstanding Voltage (DWV) | 2.5X WVDC, 5 seconds. |
| Max Dissipation Factor | .025(2.5%)Max |
| Test Parameters | 1KHz,1.0VRMS,25°C |

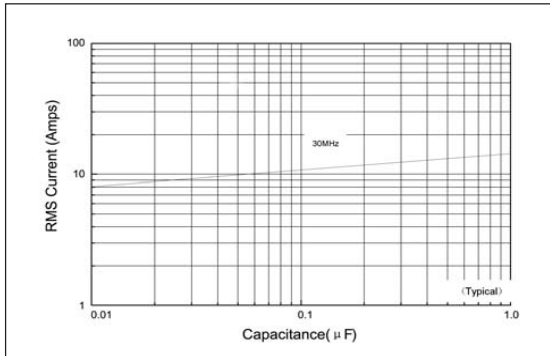
◆ Part Numbering



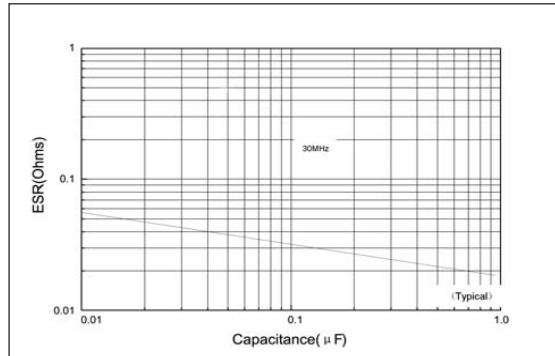
◆ 2225X Performance Curves

NOTE: Available in Vertical Tape & Reel Orientation Upon Request.

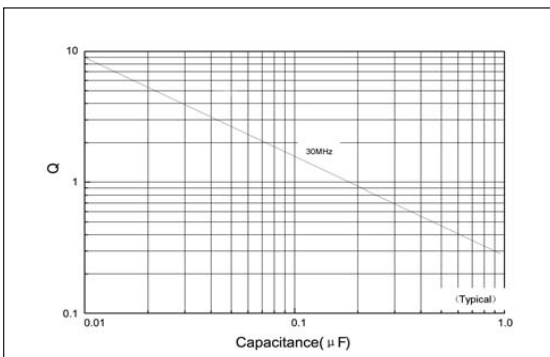
**Current Rating vs Capacitance
2225 Series**



**ESR vs Capacitance
2225 Series**



**Q vs Capacitance
2225 Series**



**Series Resonance vs Capacitance
2225 Series**

