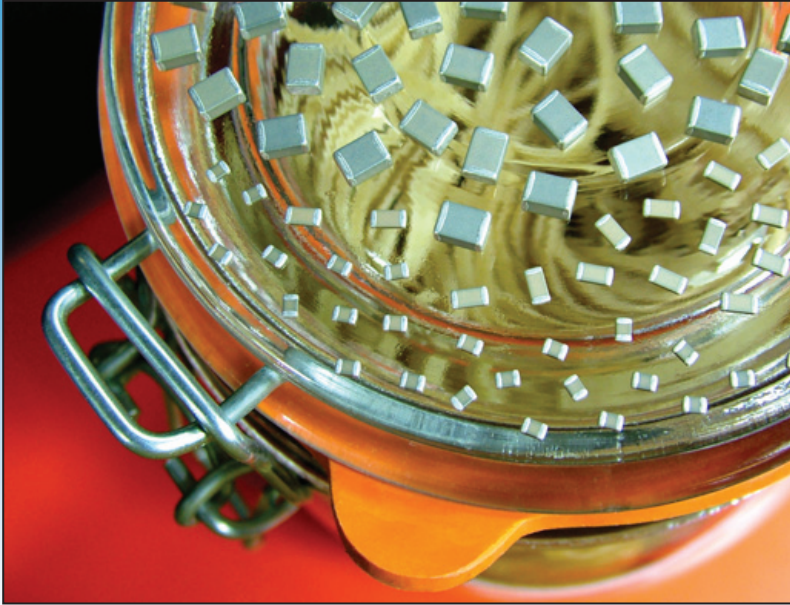


Now available with FlexiCap™ termination

PSL range of X7R MLC capacitors



X7R MLCCs

The PSL range of multilayer ceramic capacitors is suitable for a variety of applications including power supplies, DC-DC converters and LED lighting.

This X7R range is manufactured to exacting standards using our unique screen printing process. This provides a high quality component suitable for demanding applications.

Specification

Capacitance Values

X7R

220pF - 1µF

See table for full list of values

Electrical

Operating Temperature

-55°C to +125°C

Temperature Coefficient of Capacitance (Typical)

±15%

Insulation Resistance

Time constant (Ri x Cr) (whichever is the least)

100GΩ or 1000s

Ageing Rate

Typically less than 2% per time decade

Mechanical

Termination Material

See ordering information overleaf

Solderability

IEC 60068-2-58. Passed 3 times reflow profile defined in J-STD-020

Lead Free Soldering

This range is fully compliant with the RoHS and WEEE directives and parts are compatible with lead free solders.

Climatic Category

55/125/56

Reeled Quantities

See taped quantities table overleaf

Product ranges - Capacitance values

Rated Voltage	Chip Size				
	0805	1206	1210	1812	2220
50V 63V	220pF - 100nF	470pF - 470nF	1nF - 1µF	N/A	N/A
100V	220pF - 47nF	470pF - 150nF	1nF - 330nF	1nF - 680nF	N/A
200V 250V	220pF - 27nF	470pF - 100nF	1nF - 180nF	1nF - 470nF	N/A
500V	220pF - 10nF	470pF - 56nF	1nF - 100nF	1nF - 220nF	1.5nF - 470nF
630V	220pF - 5.6nF	470pF - 47nF	1nF - 68nF	1nF - 150nF	1.5nF - 330nF
1000V	220pF - 3.3nF	470pF - 10nF	1nF - 22nF	1nF - 68nF	1.5nF - 100nF
2000V	N/A	470pF - 2.2nF	1nF - 4.7nF	1nF - 10nF	N/A

NOTE: Other capacitance values may become available, please contact our Sales Office if you need values other than those shown in the above table. For dimensions and soldering information, please go to our website (www.syfer.com) or see our MLC Catalogue.



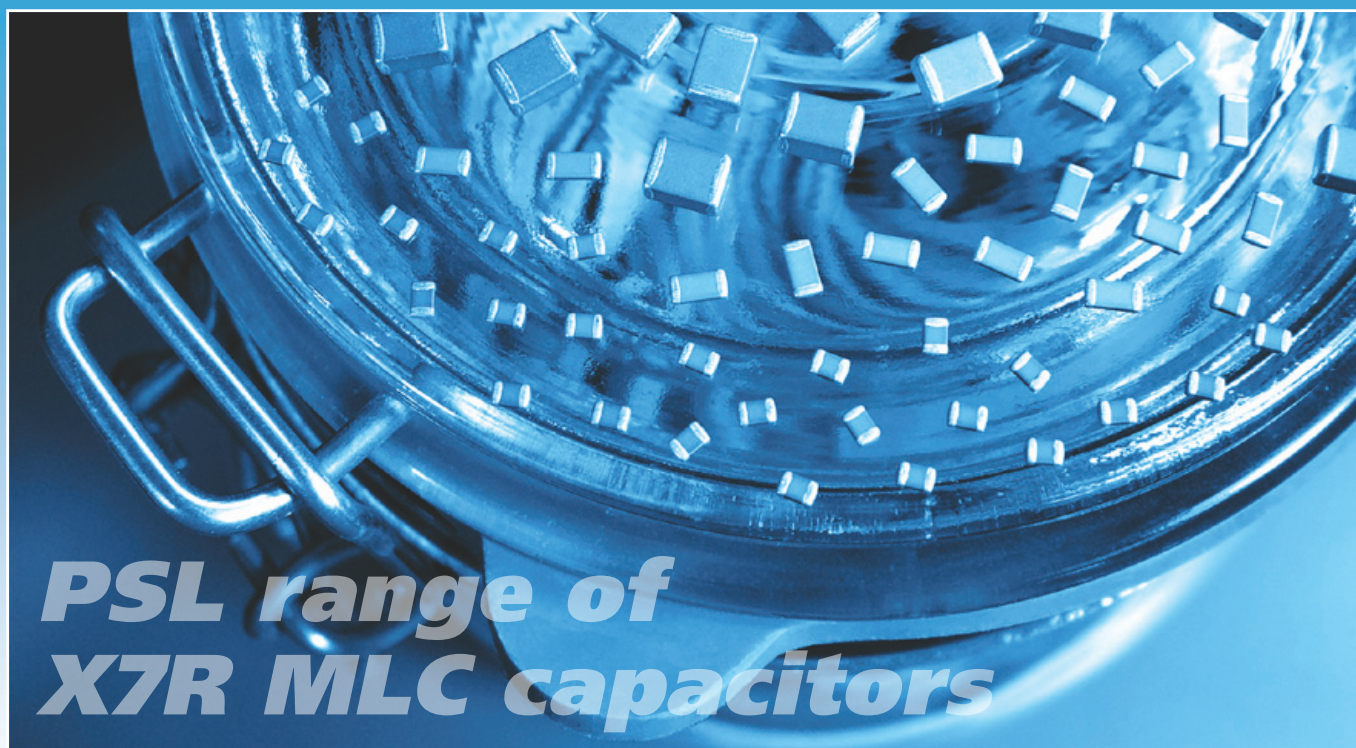
Taped quantities

Chip Size	0805	1206	1210	1812	2220
7" Reel	3,000	2,500	2,000	500/1,000*	500/1,000*
13" Reel	12,000	10,000	8,000	2,000/4,000*	2,000/4,000*

*Reel quantity depends on chip thickness. Please contact Sales Office.

Ordering information - PSL capacitors

1206	J	1K0	0103	K	J	T
Chip size	Termination	Voltage	Capacitance in picofarads (pF)	Capacitance tolerance	Dielectric	Packaging
0805 1206 1210 1812 2220	J = Nickel barrier with 100% matte tin plating. RoHS compliant. Y = FlexiCap™ termination base with nickel barrier (100% matte tin plating). RoHS compliant. Lead free.	050 = 50V 063 = 63V 100 = 100V 200 = 200V 250 = 250V 500 = 500V 630 = 630V 1K0 = 1kV 2K0 = 2kV	First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is number of 0's following Example: 0103 = 10000pF	K = ±10% M = ±20%	J = X7R	T = 178mm (7") reel R = 330mm (13") reel B = Bulk pack - tubs



PSL range of X7R MLC capacitors



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Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Syfer:](#)

[0805J1K00221KJT](#) [0805J0500104KJT](#) [1206J6300333KJT](#) [1206J6300223KJT](#) [1210J5000104KJT](#)
[1206J6300472KJT](#) [1812J1K00103KJT](#) [1206J1K00332KJT](#) [1206J1K00102KJT](#) [1206J1K00472KJT](#)
[1206J1K00222KJT](#) [1812J5000104KJT](#) [1210J1K00222KJT](#) [1206J2000104KJT](#) [0805J1K00271KJT](#)
[1206J6300473KJT](#) [1206J2K00471KJT](#) [1206J1000104KJT](#) [1206J6300102KJT](#) [1206J6300103KJT](#)