



Thursday 11th April 2013

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X2Y Technology



X2Y EMI Chips (E03 Range)

The Syfer X2Y Integrated Passive Component is a 3 terminal EMI chip device. The revolutionary design provides simultaneous line-to-line and line-to-ground filtering, using a single ceramic chip. In this way, differential and common mode filtering are provided in one device. Capable of replacing 2 or more conventional devices, it is ideal for balanced lines, twisted pairs and dc motors, in automotive, audio, sensor and other applications. These filters can prove invaluable in meeting stringent EMC demands, particularly in automotive applications.

Recent developments include the introduction of 200Vdc and 500Vdc versions, which are suitable for liquid dispensing equipment, hand held power tools, dc motors and other higher voltage applications. See datasheet for details.

For details of all our EMI filter products, see our latest [EMI Filter Catalogue](#).

Further details may also be found on the [X2Y Attenuators LLC website](#). [\[Click here\]](#)

PRODUCT DETAILS

Product Code:	0805Y1000103MXTE03
Case Size:	0805
Reel Quantity:	3000
Voltage:	100 V
Capacitance:	10 nF
Tolerance:	+/-20%
Dielectric:	X7R
Termination:	FlexiCap, 100% matte Sn finish
RoHS:	Compliant

See the **PRODUCT INFO** panel on the right for more details:



PRODUCT CODE GENERATOR

Case Size	Termination	Voltage	Capacitance	Tolerance	Dielectric	Packaging
<input type="text" value=""/>						

Product Code:

Ordering Information

1206	J	100	0222	M	X	T	E03
Chip Size Reference 0603 0805 1206 1410 1812 2220	Termination J = Nickel Barrier Y = FlexiCap™ A = Nickel Barrier (Tin/Lead) H = FlexiCap™ (Tin/Lead)	Voltage 016 = 16 volts 025 = 25 volts 050 = 50 volts 100 = 100 volts	Capacitance Expressed in picofarads (pF). First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is number of zeros following. Example: 0222=2200pF.	Tolerance M= ±20%	Dielectric C = C0G X = X7R	Packaging T = 178mm (7") reel R = 330mm (13") reel B = Bulk	Balanced Line EMI Chip



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PRODUCT INFO

Select a product related PDF from the list below:

DATA SHEETS

[X2Y EMI Chips \(177KB\)](#)
[EMI Filter Catalogue \(8.61MB\)](#)

TECHNICAL

[MLCC Handling & Soldering \(170KB\)](#)
[Dielectric Material \(175KB\)](#)
[MLCC Packaging \(91KB\)](#)
[MLCC Dimensions \(53KB\)](#)
[SM Filter Insertion Loss \(84KB\)](#)

APPLICATION

[AN0001 Flexicap Termination \(381KB\)](#)
[AN0005 Mechanical Cracking \(184KB\)](#)
[AN0006 Ageing \(357KB\)](#)
[AN0013 Packaging Labels \(277KB\)](#)
[AN0014 X2Y Chip Reliability and Performance Data \(117KB\)](#)
[RoHS Compliance List \(50KB\)](#)
[SM Filter Article \(235KB\)](#)
[Advances in SM Filtering \(208KB\)](#)
[Filter General Information \(204KB\)](#)