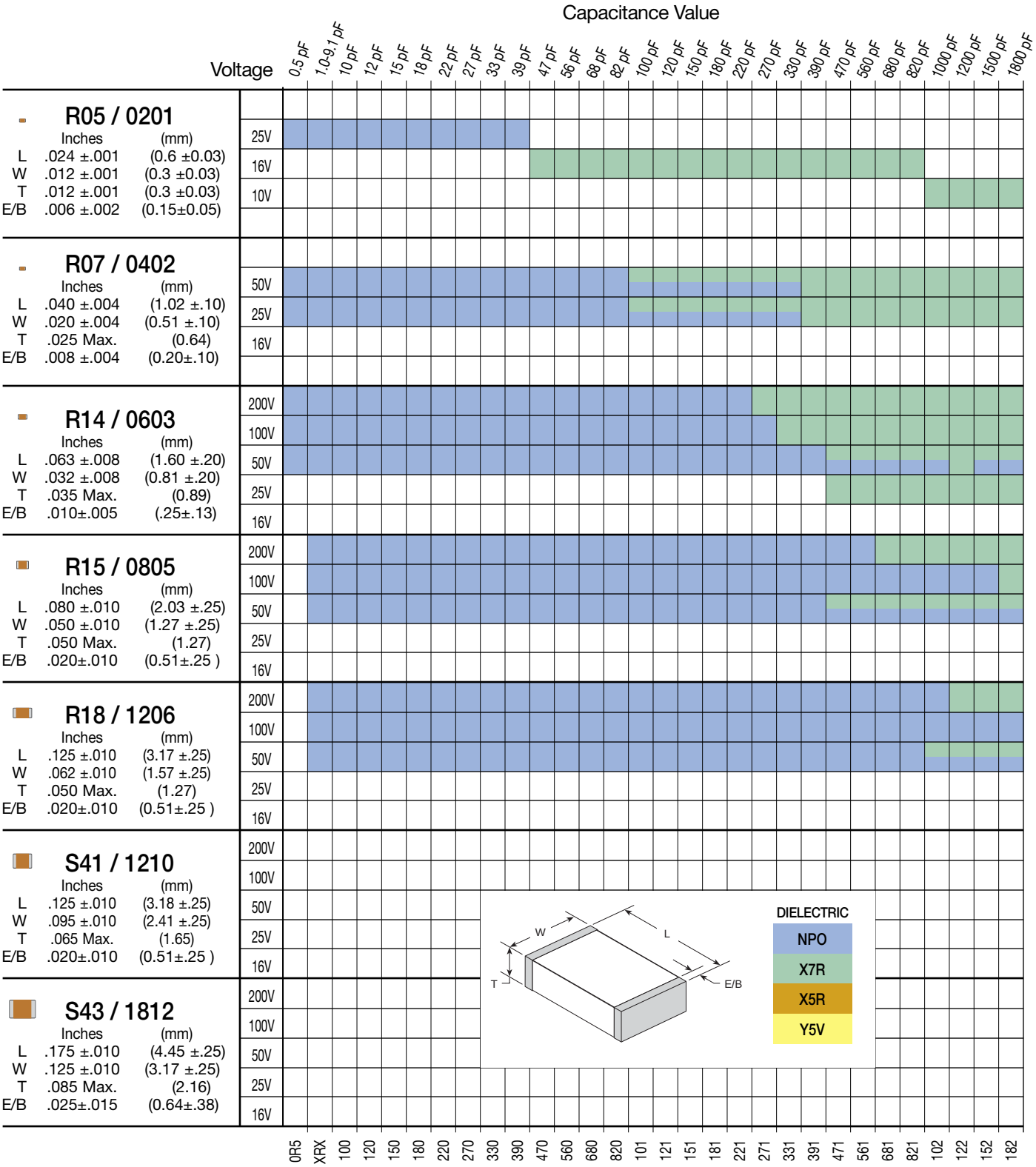
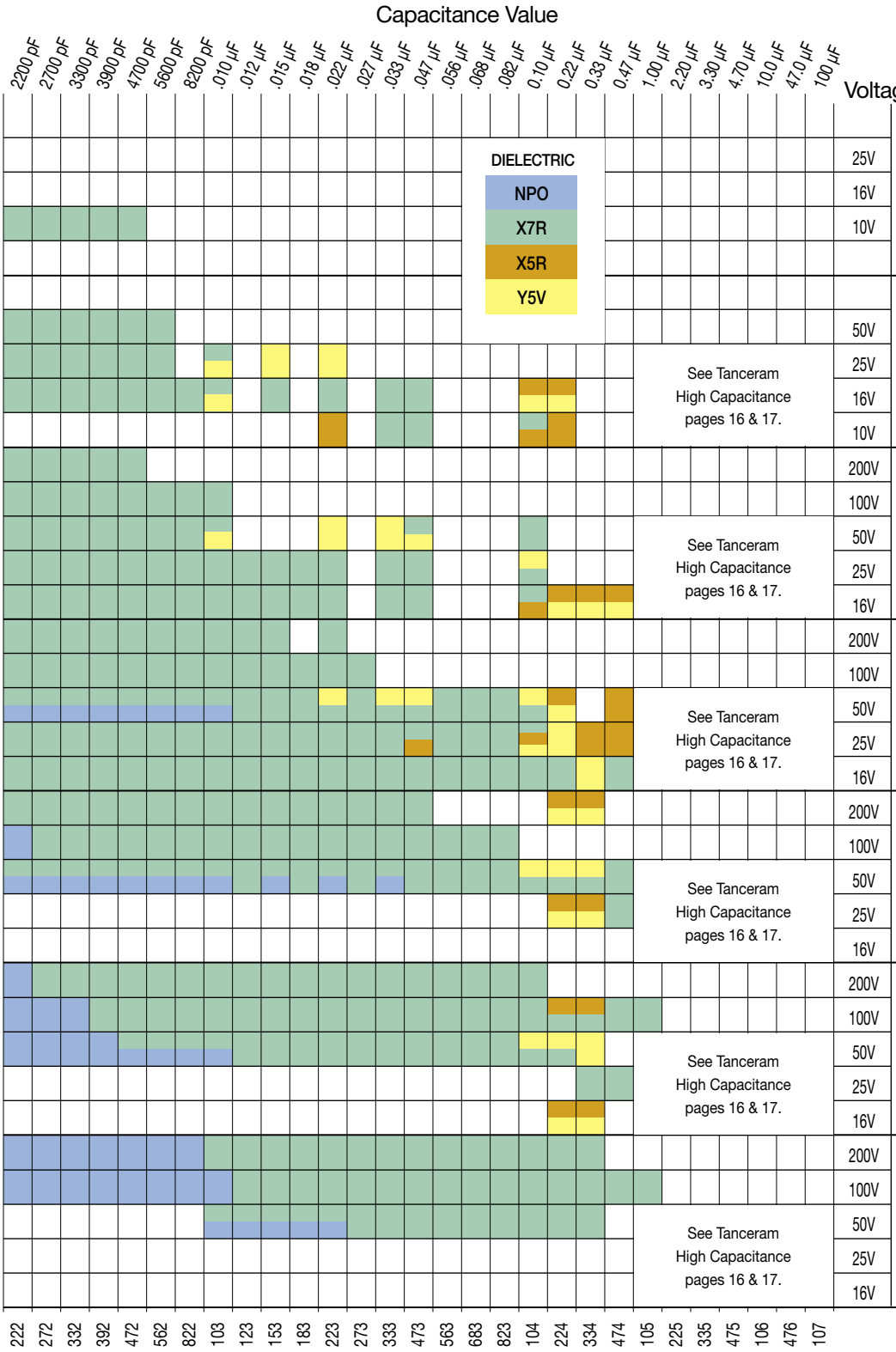
SURFACE MOUNT MLCCS 10 - 200 VDC



Dielectric specifications and part number breakdown may be found on pages 20 & 21.

This datasheet has been downloaded from http://www.digchip.com at this page

Surface Mount MLCCs 10 - 200 VDC



R05 / 0201

	Inches	(mm)
L	.024 ±.001	(0.6 ±0.03)
W	.012 ±.001	(0.3 ±0.03)
T	.012 ±.001	(0.3 ±0.03)
E/B	.006 ±.002	(0.15±0.05)

R07 / 0402

	Inches	(mm)
L	.040 ±.004	(1.02 ±.10)
W	.020 ±.004	(0.51 ±.10)
T	.025 Max.	(0.64)
E/B	.008 ±.004	(0.20±.10)

R14 / 0603

	Inches	(mm)
L	.063 ±.008	(1.60 ±.20)
W	.032 ±.008	(0.81 ±.20)
T	.035 Max.	(0.89)
E/B	.010±.005	(.25±.13)

R15 / 0805

	Inches	(mm)
L	.080 ±.010	(2.03 ±.25)
W	.050 ±.010	(1.27 ±.25)
T	.050 Max.	(1.27)
E/B	.020±.010	(0.51±.25)

R18 / 1206

	Inches	(mm)
L	.125 ±.010	(3.17 ±.25)
W	.062 ±.010	(1.57 ±.25)
T	.050 Max.	(1.27)
E/B	.020±.010	(0.51±.25)

S41 / 1210

	Inches	(mm)
L	.125 ±.010	(3.18 ±.25)
W	.095 ±.010	(2.41 ±.25)
T	.065 Max.	(1.65)
E/B	.020±.010	(0.51±.25)

S43 / 1812

	Inches	(mm)
L	.175 ±.010	(4.45 ±.25)
W	.125 ±.010	(3.17 ±.25)
T	.085 Max.	(2.16)
E/B	.025±.015	(0.64±.38)

Dielectric specifications and part number breakdown may be found on pages 20 & 21.

Part Number Breakdown

How to Order

500	R15	N	101	J	V	4	T
VOLTAGE	CASE SIZE	DIELECTRIC	CAPACITANCE	TOLERANCE	TERMINATION	MARKING	PACKAGING

VOLTAGE

100 = 10 V
160 = 16 V
250 = 25 V
500 = 50 V
101 = 100 V
201 = 200 V
251 = 250 V
501 = 500 V
631 = 630 V
102 = 1000 V
202 = 2000 V
302 = 3000 V
402 = 4000 V
502 = 5000 V

CASE SIZE

R05=0201
R07=0402
R14=0603
R15=0805
R18=1206
S41=1210
R29=1808
S43=1812
S47=2220
S49=1825
S48=2225

DIELECTRIC

N = NPO
W = X7R
X = X5R
Z = Z5U
Y = Y5V

CAPACITANCE

1st two digits are significant; third digit denotes number of zeros, R = decimal.

1R0 = 1.0 pF
100 = 10 pF
102 = 1,000 pF
474 = 0.47 µF

TOLERANCE

*B = ± 0.10 pF
*C = ± 0.25 pF
*D = ± 0.50 pF
F = ± 1 %
G = ± 2%
J = ± 5%
K = ± 10%
M = ± 20%
Z = +80 -20%

*Values < 10 pF only

TERMINATION

V = Nickel Barrier with 100% Tin Plating

MARKING

4 = Unmarked
6 = EIA "J" Code*

*Not available on sizes ≥ 0402

PACKAGING

Tape Code	Tape Type	Reel Size
U	Embossed	13"
R	Punched	13"
E	Embossed	7"
T	Punched	7"

None = Bulk Packaging

Size 0201-1206 tape standard is Code "T"

Tape specifications conform to EIA RS481

Part number written: 500R15N101JV4T

<< Return to Surface Mount MLC Capacitors Overview

- Home
- Product Catalog
- Surface Mount Products
- X2Y Products
- Technical Notes
- Prototyping Kits
- Product Training
- RoHS Compliance
- Distributor Inventory

Part Number Search

part number...

Go

Parameter Search Volt Size Cap Value Go Reset

- **Company Information**

- Contact
- Sales Reps
- Distributors
- Partners
- Company
- Employment

- **Product Information**
- Surface Mount Products
- Technical Notes
- Prototyping Kits
- X2Y Technology
- RoHS Compliance

- **Support Links**
- Request a Quote
- Request a Sample
- Request a Prototyping Kit
- Request Hard Literature
- Ask a Technical Question

Copyright © 2010 Johanson Dielectrics All rights reserved.