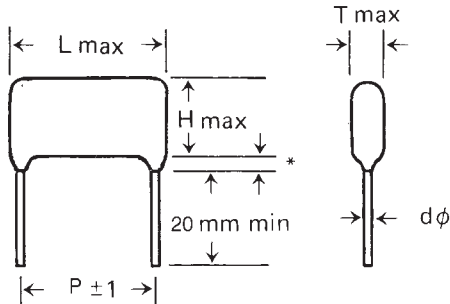


# METALLIZED POLYESTER RADIAL EPOXY DIP

TYPE 914

**Metallized Polyester, Polyethylene Terephthalate (PET)**  
**NON-INDUCTIVE, EPOXY COATED, HIGH MOISTURE RESISTANCE**



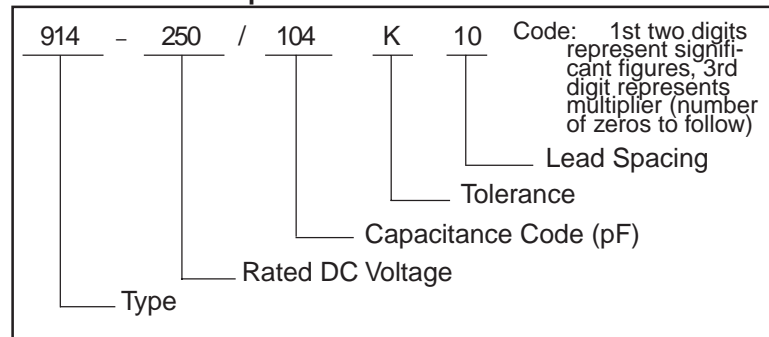
\*2mm max. for L > 20 mm

\*1.5mm max. for L ≤ 20 mm

## GENERAL SPECIFICATION

- OPERATING TEMPERATURE:**  
-40°C to 85°C  
Derate DC voltage 1.5% / °C from 85°C to 105°C
- VOLTAGE RANGE:**  
100, 250, 400 and 630 VDC
- CAPACITANCE RANGE:**  
0.01 to 6.8 μF
- DIELECTRIC STRENGTH:**  
160% of rated voltage for 2 sec.
- CAPACITANCE TOLERANCE:**  
±5%, ±10% and ±20%
- INSULATION RESISTANCE:**  
C < .33 Mfd. R ≥ 15,000 Meg. Ohm at 25°C  
C ≥ .33 Mfd. R ≥ 5,000 Meg. Ohm x μF
- DISSIPATION FACTOR:**  
1.0% max. at 1KHz at 25°

## Part Number Example:



## Maximum pulse rise time (dv/dt) V/μsec

VDC \ P	5.0	7.5	10.0	15.0	22.5	27.5
100	5	5	6	3	2	1
250	—	—	11	7	4	3
400	—	—	20	10	5.5	5
630	—	—	30	15	8	7

L	7.5	10.0	12.5	18.0	26.0	31.0
P	5.0	7.5	10.0	15.0	22.5	27.5
dφ	0.5	0.6	0.6	0.8	0.8	0.8

VDC Cap. (μf)	100 VDC			250 VDC			400 VDC			630 VDC		
	L	T	H	L	T	H	L	T	H	L	T	H
0.01	7.5	4.0	5.5	12.5	4.5	8.5	12.5	4.5	9.0	12.5	5.5	10.0
0.015	7.5	4.0	5.5	12.5	4.5	9.0	12.5	5.0	9.5	12.5	6.0	10.0
0.022	7.5	4.5	6.0	12.5	4.5	9.0	12.5	5.0	9.5	12.5	6.5	11.0
0.033	10.0	4.5	6.5	12.5	5.0	9.0	12.5	5.5	10.5	18.0	6.0	11.0
0.047	10.0	5.0	7.0	12.5	5.0	9.5	12.5	6.0	10.5	18.0	6.5	11.5
0.068	10.0	5.0	7.0	12.5	5.0	9.5	18.0	6.0	10.5	18.0	7.0	12.5
0.10	12.5	5.0	9.5	12.5	5.5	10.0	18.0	6.5	11.5	26.0	7.0	13.0
0.15	12.5	5.0	10.0	18.0	5.5	10.5	26.0	6.0	12.5	26.0	8.5	14.0
0.22	12.5	5.5	10.0	18.0	6.5	11.5	26.0	7.0	13.5	26.0	10.0	16.5
0.33	18.0	5.5	10.5	18.0	7.0	12.5	26.0	8.5	15.5	31.0	10.5	17.5
0.47	18.0	6.0	11.5	*26.0	7.0	12.5	26.0	9.5	18.0	31.0	12.0	19.5
0.68	18.0	6.5	12.0	26.0	8.0	14.5	31.0	10.0	17.5	31.0	15.0	22.5
1.0	18.0	7.5	14.0	26.0	9.0	16.0	31.0	12.0	20.0	31.0	17.5	28.0
1.5	26.0	7.5	14.5	31.0	9.5	17.0						
2.2	26.0	9.0	16.0	31.0	11.5	19.0						
3.3	26.0	11.0	19.0	31.0	14.0	23.0						
4.7	31.0	12.0	23.0									
6.8	31.0	14.0	25.0									

\*Other lead spacings available upon request. \*Also available 18 x 7 x 14.

# PART NUMBERING SYSTEM

Part Number Example:

914-250/104 K 10

1. Type \_\_\_\_\_
2. Rated voltage \_\_\_\_\_
3. Rated capacitance ( $\mu\text{F}$ ) \_\_\_\_\_
4. Tolerance \_\_\_\_\_
5. Lead spacing \_\_\_\_\_
6. Packaging code \_\_\_\_\_
7. Lead style code \_\_\_\_\_
8. Computer code (#) \_\_\_\_\_
9. Size in mm \_\_\_\_\_

\* If applicable

More ex.

IF FORMED TO 5mm L/S ..... 914-250/104K10B1/5

IF CUT & FORMED TO 5mm L/S ..... 914-250/104K10B5/5

IF CUT & FORMED TO 5mm L/S & 3mm L/L .. 914-250/104K10B1/5#1  
 (#1=one deviation from std ex.: L/L)

## DESCRIPTION

1. Describes the construction and the dielectric type.
2. Rated voltage, (three digits) Ex. 050=050v, 250=250v, 1K0=1000v. 1K5=1500v
3. Rated capacitance, (three digits). Ex. 102 = 1000pf = .001  $\mu\text{f}$   
 The first two digits represent significant figures and the last digit is number of zeros to follow,
 

472 = 4700pf = .0047 $\mu\text{f}$
103 = 10000pf = .01 $\mu\text{f}$
104 = 100000 = .1 $\mu\text{f}$
4. Tolerance (one digit).

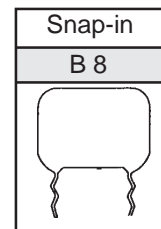
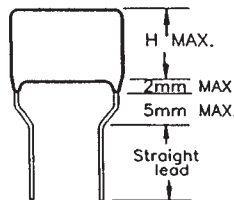
C	D	F	G	H	I	J	K	M	N	P	V	Z
$\pm 0.25\text{pf}$	$\pm 0.5\%$	$\pm 1.0\%$	$\pm 2.0\%$	$\pm 2.5\%$	$\pm 3.0\%$	$\pm 5.0\%$	$\pm 10\%$	$\pm 20\%$	$\pm 30\%$	+ $\infty$ -0	+20 -10	+80 -20

5. Lead Spacing (in mm) showing significant digits without decimals.
6. Packaging code: (TR = Tape and Reel.) (TA = Tape and Ammo.) (- = Bulk.)
7. Lead Style code. Note: previous character must be a letter, hence, for bulk packaging use the letter B.

Long leads				Cut leads			
straight long leads/non-forming	inside forming without cut	outside forming without cut	kink with out cut	non-forming with cut	inside forming with cut	outside forming with cut	kink with cut
0	1	2	3	4	5	6	7

Straight lead length portion = 25mm MIN.

Straight lead length portion = 5mm  $\pm 1$



Due to the continued improvement of capacitor manufacturing technology other sizes and values, not described in this catalog, may now be available, please contact Factory or Area Representative for latest data.