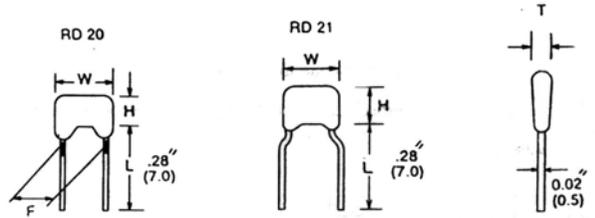


MLC Radial Lead Capacitor (RD) is built with superior moisture, and shock resistant epoxy coating material, can be supplied in both, or taping form for automatic insertion.

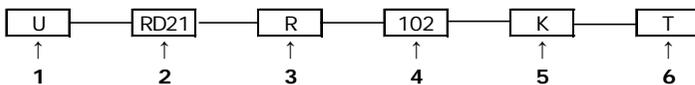
## Features

- Ceramic dielectric: Ceramic
- Internal Electrode: Ag-Pd or Ni (BME)
- End Termination: Ag or Cu (BME) layer  
Ni layer  
Sn-Pb layer or Sn layer
- Coating: Epoxy
- Radial Lead Wire: Tinned Copper wire



Case Size	Rated Voltage	Temp. Chart.	Capacitance		Dimension (mm)			
			Range	Tolerance	W	H	T	F
RD20	U=50V	C (NPO) 0±30% PPM/°C	10pF ÷ 4700pF	J	5,50	5,50	4,00	2,54 ± 1,0
RD21								5,08 ± 1,0
RD20	A=100V		10pF ÷ 4700pF		5,50	5,50	4,00	2,54 ± 1,0
RD21								5,08 ± 1,0
RD20	U=50V	R (X7R) ±15% PPM/°C	100pF ÷ 1µF	K	5,50	5,50	4,00	2,54 ± 1,0
RD21								5,08 ± 1,0
RD20	A=100V		220pF ÷ 0,1µF		5,50	5,50	4,00	2,54 ± 1,0
RD21								5,08 ± 1,0
RD20	U=50V	F (Y5V) +22% ÷ 82%	10000pF ÷ 2,2µF	Z	5,50	5,50	4,00	2,54 ± 1,0
RD21								5,08 ± 1,0
RD21	B=16V	F (Y5V) +22% ÷ 82%	2,2µF ÷ 10µF	Z	5,50	5,50	4,00	5,08 ± 1,0
RD21	T=25V		2,2µF ÷ 3,3µF					Z

## Part number explanation

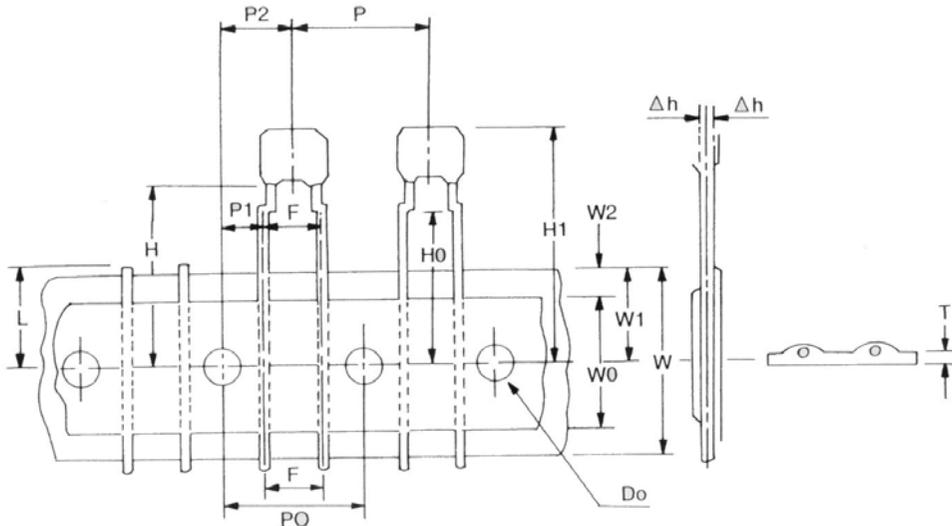


- 1 : B = 16 Vdc T = 25 Vdc U = 50 Vdc A = 100 Vdc
- 2 : Size Code
- 3 : C = NPO R = X7R F = Y5V
- 4 : Capacitance Code ex. 102 = 1000 pF (Two significant digits followed by no. Of zeros)
- 5 : J = ±5% K = ±10% Z = +80% -20%
- 6 : Package Code T = Taping B = Bulk

# RD20 - 21 Series

MLC Radial Lead Capacitor (RD) is built with superior moisture, and shock resistant epoxy coating material, can be supplied in both, or taping form for automatic insertion.

## Taping Specification



Item	Symbol	Dimensions mm	Remarks
Pitch of Components	P	12,7 ± 1,0	
Feed hole pitch	PO	12,7 ± 0,3	Cumulative pitch error: ± 1,0MM / 20 pitches
Feed hole center to lead	P1	3,85 ± 0,7	
Feed hole center to component center	P2	6,35 ± 1,3	
lead to lead spacing	F	5,08 ± 0,8 OR 2,54 ± 0,8	To lead top within tolerance
Component alignment, F -R	Δ h	2.0 max	The alignment from the center of the lead is ± 1,0MM
Tape width	W	18,0 - 1,0 / -0,5	
Adhesive tape width	W0	11,0 mm	
Hole position	W1	9,0 ± 0,5	
Adhesive tape position	W2	3,0 max	Adhesive tape must not protrude from base paper
Height of bottom body from tape center	H	18,0 + 2,0 / -0	$H + 12,5 \text{ mm} \leq H1$
Lead-wire clinch height	H0	16,0 ± 0,5 OR 18,0 ± 0,5	$6,5 \leq H0 - W1$
Component height	H1	32,25 max	
Feed hole diameter	DO	4,0 ± 0,3	
Total tape thickness	T	0,7 ± 0,2	

## Packing Quantity

	Bulk	Taping	
Case Size	Quantity per Bag	Quantity per Ammo Box	Quantity per Reel
RD20, RD21	1,000 pcs	2,000 pcs	3,000 pcs