

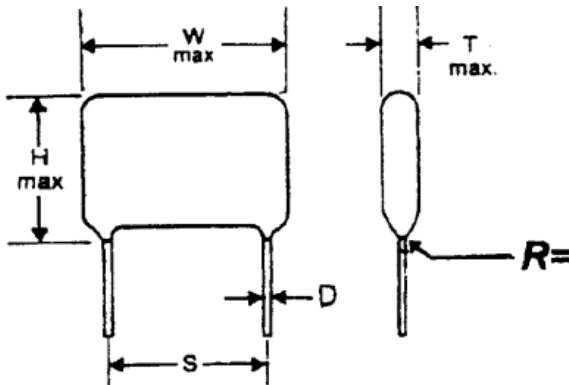
## Professionally approved products. Datasheet

### RS 8.2nF 500 V dc Radial Mica Capacitor D $\pm 1\%$

RS Stock 495-947



#### Dimensions: (mm)



#### Specifications

Capacitance Tolerance:  $\pm 0.5\text{pF}$  where  $C < 50\text{pF}$   
 $\pm 1\%$  where  $C > 50\text{pF}$

Temperature Range:  $-40\text{C}$  to  $85\text{C}$

Rated Voltage: 500V DC

Insulation Resistance: 100 G for  $C < 10000\text{ pF}$ , 1000 Megohm microfarad for  $C > 10000\text{ pF}$  @  $25\text{C}$

Lead Length: 25mm min

Temperature Coefficient:	2.2pF -18pF	-200ppm/+200ppm
	22pF-68pF	-20ppm/+100ppm
	82pF - 47nF	0ppm/+70ppm

#### Value

The capacitance value in picofarads is indicated using three digits.

The first two digits represent the significant figures of the value, with the third digit specifying the number of zeroes to follow.

For values less than  $10\text{pF}$ , the decimal point between the two significant figures is indicated using a "p" eg 5p6 indicates 5.6p

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## Tolerance

“B” indicates  $\pm 0.5\text{pF}$ , “F” indicates  $\pm 1\%$

## Voltage

“D” indicates a working voltage of 500VDC

## Example of Markings

