



# Aluminum Electrolytic Capacitors

## Selection Guide

Series	Life Hrs.	Features	Low Impedance			Temperature Range (°C)	Rated Voltage Range (VDC)	Capacitance Range (µF)	Page
			Miniaturization	General					
RD	2000	Radial Standard and High Voltage	X	X		-40~+85	6.3V~100V	.1µF~1500µF	6-7
RDHV	2000						160V~450V		
UTW	2000	Radial Standard and High Voltage	X	X		-40~+105	6.3V~100V	.1µF~15000µF	8-9
UTWHV	2000						160V~450V		
UTLM	1000	Radial Super Miniature	X	X		-40~+85	4V~6.3V	.1µF~470µF	10
UTWS	1000					-40~+105			
UTLML	1000	Radial Ultra Miniature	X	X		-40~+85	4V~6.3V	.1µF~100µF	11
UTWLL	1000					-40~+105			
RM	1000	Radial Micro Miniature	X	X		-40~+85	4V~50V	.1µF~220µF	12
URM	1000					-40~+105			
RDNP	1000	Radial Non-Polar	X	X		-40~+85	6.3V~250V	.47µF~6800µF	13-14
UTWNP	1000					-40~+105			
RDBP	1000	Radial Bi-Polar	X	X		-40~+85	25V~100V	.1µF~1000µF	15
RDLL	1000	Radial Low Leakage	X		X	-40~+85	6.3V~100V	.1µF~15000µF	16
UTWLL	1000					-40~+105			
RDLLS	1000	Radial Low Leakage with 7mm Profile	X	X	X	-40~+85	4V~63V	.1µF~100µF	17
RDS	1000	Radial Low Profile	X	X		-40~+85	6.3V~250V	10µF~10000µF	18
RDHP	1000	Radial High Performance	X			-40~+85	6.3V~50V	.1µF~470µF	19
HRHT	2000	Radial High Reliability and High Temperature	X		X	-40~+105	6.3V~100V	.47µF~10000µF	20-21
HRHTHV	2000						160V~450V		
HR	1000	Radial High Reliability	X		X	-40~+125	6.3V~250V	3.3µF~6800µF	22
LESR	2000	Radial Low ESR	X			-40~+105	6.3V~450V	3.3µF~6800µF	23-24
LIHF	1000	Radial Low Impedance at High Frequency	X		X	-55~+105	6.3V~50V	4.7µF~10000µF	25-26
LIHFL	3000	Radial Low Impedance at High Frequency w/ Long Life	X		X	-55~+105	6.3V~35V	4.7µF~10000µF	27-28
RDHR	1000	Radial High Frequency Ripple Current and Reliability	X		X	-40~+85	25V~50V	.1µF~33µF	29
UTHR	1000								
AX	1000	Axial Standard and High Voltage				-40~+85	6.3V~450V	.47µF~22000µF	30-31
AXHV	1000					-40~+105			
UTWA	1000								
UTWAHV	1000								
SL	2000	Snap-In Standard and High Voltage	X	X	X	-40~+85	10V~100V	8200µF~56000µF	32-34
SLHV	2000						160V~450V		
SLUT	2000	Snap-In Standard and High Voltage	X	X	X	-40~+105	10V~100V	3900µF~68000µF	35-37
SLUTHV	2000						160V~450V		

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## Part Numbering System

### 1. Series:

Series is represented by a Multi letter code. See table of contents for series codes.

### 2. Capacitance:

Capacitance represented by capacitance code. ie 100 = 10 $\mu$ f. 102 = 1000 $\mu$ f. The decimal point is represented by the letter "R" ie. .22 = R22 $\mu$ f.

### 3. Tolerance:

Symbol of W, T, Q, V, M, K, and J show special capacitance tolerance which are listed as follows:

W = -10 ~ + 100%	M = $\pm$ 20%
T = -10 ~ + 50%	K = $\pm$ 10%
Q = -10 ~ + 30%	J = $\pm$ 5%
V = -10 ~ + 20%	

### 4. Rated Voltage:

Voltage in Volts (v) is represented by the actual voltage rating. ie. 100 - 100 volts. The decimal point is represented by the letter "R" ie. 6.3 = 6R3 volts.

For bulk parts leave blank and go to #6.

### 5. Lead Forming and Package:

TB1 = Tape & box 2.5mm (.1") lead space

TB2 = Tape & box 5mm (.2") lead space

TR1 = Tape & reel 2.5mm (.1") lead space

TR2 = Tape & reel 5mm (.2") lead space

C (x) = cut leads to customers spec. x = lead length in mm.

CF1 = cut and form leads to 2.5mm (.1") lead space

CF2 = cut and form leads to 5mm (.2") lead space

CF3 = cut and form leads to 7.5mm (.3") lead space

TB = Tape & box with straight leads

TR = Tape & reel with straight leads

TR26 - Axial tape and reel w/ 26mm pitch

TR52 - Axial tape and reel w/ 52mm pitch

TR63 - Axial tape and reel w/ 63mm pitch

### 6. Size:

The actual measurement in mm of the capacitor. Radial lead example; 5 x 11, 5 = the diameter & 11 = the height. Axial lead example; 6 x 12 6 = the diameter & 12 = the length.

