

Leaded Aluminum Electrolytic Capacitors - Selection Guide

Product Series	Features	Load Life	Standard Hrs	Extend Hrs	Long Hrs	Miniature	Non-Polar	Low Leakage	Low ESR	Ultra Low ESR	High Ripple	Snap-in	Voltage Range (VDC)	Capacitance Range (uF)
Radial	TER	Standard	85°C 2000Hrs	*									6.3 ~ 450	0.1 ~ 22,000
	THT	Standard	105°C 2000Hrs	*									6.3 ~ 450	0.47 ~ 15,000
	TTR	High Temperature & Low ESR	125°C 2000~5000Hrs			*			*				10 ~ 63	47 ~ 4700
	TE5	5mm, Miniature	85°C 1000Hrs			*							4 ~ 50	1 ~ 22
	TH5	5mm, Miniature	105°C 1000Hrs			*							4 ~ 50	1 ~ 470
	TEM	7/9mm, Miniature	85°C 1000Hrs			*							4 ~ 63	1 ~ 470
	THM	7/9mm, Miniature	105°C 1000Hrs			*							4 ~ 63	1 ~ 470
	TNR	Non-Polar	85°C 1000Hrs				*						4 ~ 250	1 ~ 6,800
	TNH	Non-Polar	105°C 1000Hrs				*						6.3 ~ 100	1 ~ 2,200
	TLL	Low Leakage	85°C 1000Hrs					*					6.3 ~ 100	1 ~ 15,000
	THL	Low Leakage	105°C 1000Hrs					*					6.3 ~ 100	1 ~ 4,700
	TYP	Low Impedance, High Voltage	105°C 5000Hrs		*				*				160 ~ 450	3.3 ~ 330
	TKP	Long life, High Ripple	105°C 8000~10000Hrs		*						*		160 ~ 450	3.3 ~ 330
	TZR	ULtra Low ESR	105°C 2000Hrs							*			6.3 ~ 16	470 ~ 3300
	TZE	Low ESR	105°C 1000~3000Hrs						*				6.3 ~ 100	4.7 ~ 15,000
Axial	TZP	Low ESR, Extend Hrs	105°C 1000~5000Hrs		*				*		*		6.3 ~ 100	5.6 ~ 6,800
	TZF	Low ESR, Long Life	105°C 3000~6000Hrs			*			*				6.3 ~ 100	22 ~ 15,000
Large Can	TEA	Standard Hours	85°C 2000Hrs	*									6.3 ~ 450	0.47 ~ 22,000
	TES	Standard, Snap-in	85°C 2000Hrs	*								*	6.3 ~ 500	47 ~ 120,000
	THS	Standard, Snap-in	105°C 2000Hrs	*								*	6.3 ~ 450	47 ~ 82,000
	TFS	Long Life, Snap-in	85°C 3000Hrs			*						*	10 ~ 450	56 ~ 56,000
	TJS	Long Life, Snap-in	105°C 3000Hrs			*						*	10 ~ 450	56 ~ 68,000

How To Order (Radial Type)

TER 100 M 25 EF-100-XX-AR

Packing
 AR/AG: Tape & Ammo, RoHS/Halogen Free
 BL/BG: Bulk, RoHS/Halogen Free
 TR30/RG30: Tape in 13" Reel, RoHS/Halogen Free

Factory Location _____

Lead Spacing
 Default: Standard Pitch in Bulk
 For Ammo/Reel: -000: natural space; -100: 0.1" (2.54mm);
 -200: 0.2" (5.08mm); -300: 0.3" (7.5mm);

Body Size Code (ΨD*L)
 EF: 6.3*11(mm): See Size Code Table below

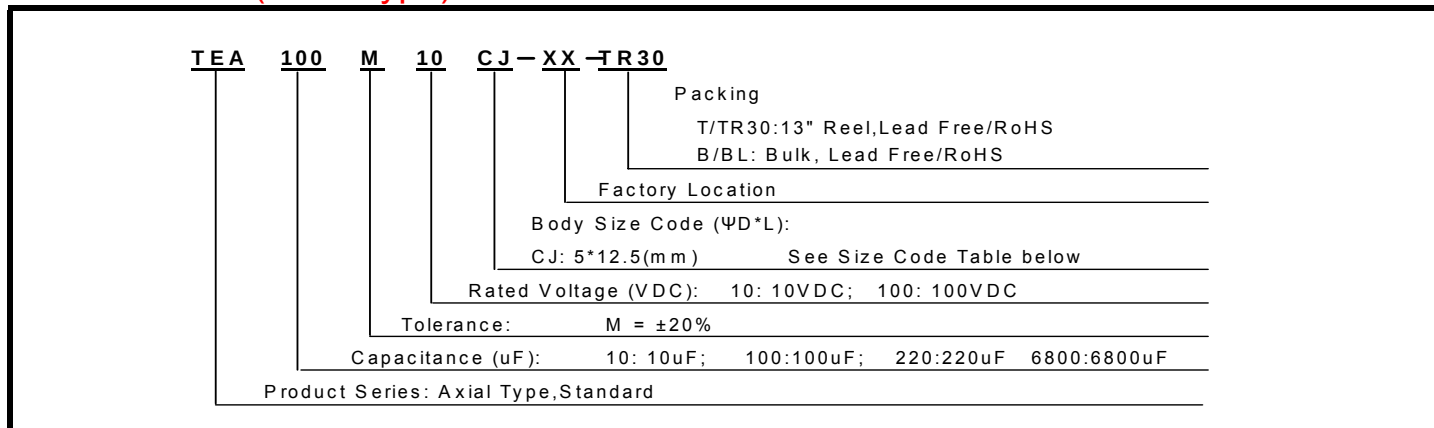
Rated Voltage (VDC): 50: 50VDC; 100: 100VDC

Tolerance: M = ±20%

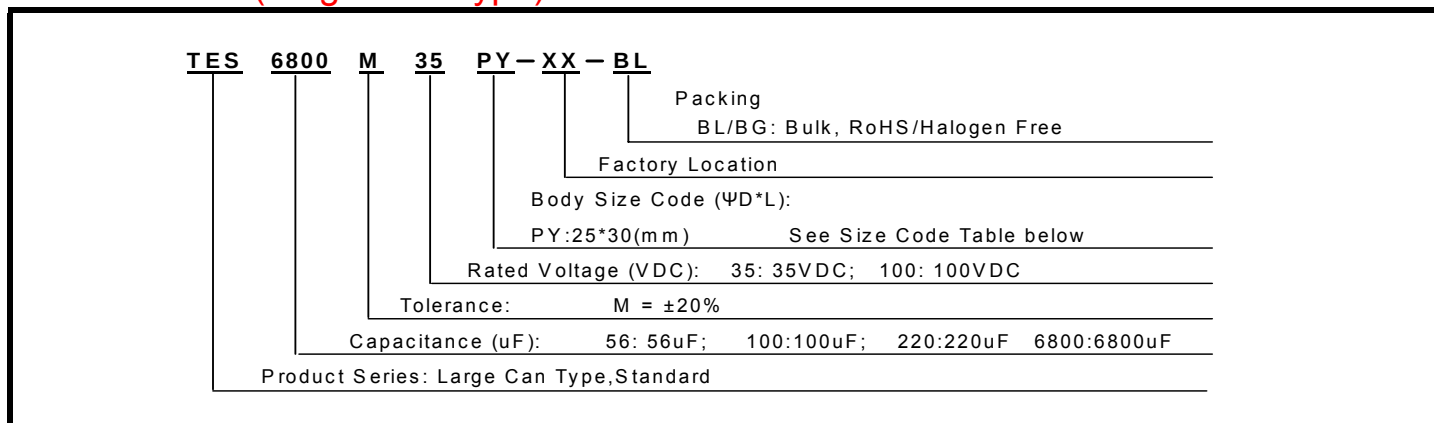
Capacitance (uF) R1: 0.1uF; 1: 1uF; 10: 10uF; 220: 220uF

Product Series: Radial Type, Standard

How To Order (Axial Type)



How To Order (Large Can Type)



Size Code Table

For Radial & Large Can Type

Diameter Code	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V				
Diameter (mm)	3	4	5	6	6.3	8	10	12	13	16	18	20	22	25	30	35	40	50	63	76				
Length Code	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	W	X	Y	Z
Length (mm)	5	7	7.5	8	9	11	11.5	12	12.5	13	15	16	17	19	20	21	24	25	25.5	26	27	28	30	31.5
Length Code	AA	BB	CC	DD	EE	FF	GG	HH	JJ	KK	LL	MM	NN	PP	QQ	RR								
Length (mm)	32	33	35	35.5	36	37	38	40	41	42	43	45	50	80	100	800								