

TN Series

TN Series designed for crossover networks of high-pitched, mean and low-pitched sounds in high-fidelity sound system, have excellent frequency characteristics and small deviation of capacitance

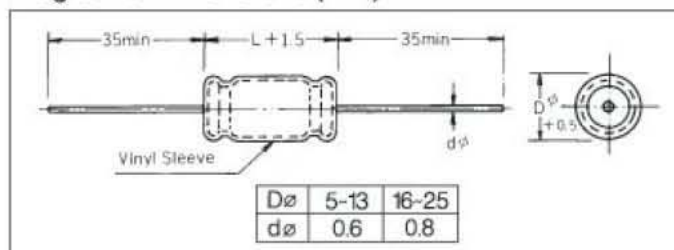


Violet

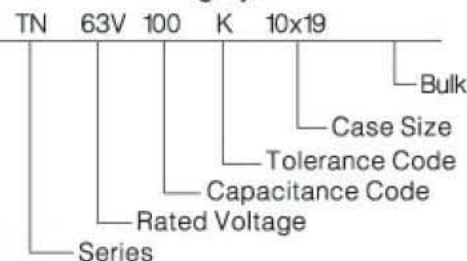
Characteristics

Voltage Range	63 ~ 100V		
Capacitance Range	1 ~ 330 μ F		
Temperature Range	-40 ~ +85°C		
Capacitance Tolerance	-10 ~ +10% (K) (at 20°C, 120Hz)		
Leakage Current	$I = 0.03CV + 3$ (μ A) max. (after 5 minutes)		
Dissipation Factor (tan δ)	Rated voltage	63V	100V
	tan δ (max.)	0.10	0.10
Shelf Life	After 1000 hours application of rated voltage at 85°C the capacitor shall meet the following characteristics		
	Capacitance change	Within $\pm 20\%$ of initial value	
	D.F. (tan δ)	150% or less of initial specified value	
	Leakage current	initial specified value or less	
Load Life	After 1000 hours, no voltage applied at 85°C the capacitor shall meet the following characteristics		
	Capacitance change	Within $\pm 20\%$ of initial value	
	D.F. (tan δ)	150% or less of initial specified value	
	Leakage current	initial specified value or less	

Diagram of Dimensions (mm)



Part Numbering System



Case size of standard products D x L (mm)

μ F \ WV	63	100
1	8x17	8x17
1.5	8x17	8x17
2.2	8x17	8x17
3.3	8x17	8x17
4.7	8x17	10x19
6.8	8x17	10x19
8.2	10x19	10x19
10	10x19	10x19
15	10x19	10x19
22	10x24	10x24
33	13x27	13x27
47	13x27	13x27
68	13x27	13x30
82	13x30	13x30
100	13x30	16x34
150	16x34	16x34
220	16x38	16x42
330	16x38	22x44

Maximum E.S.R. (Ω 20°C 1KHz)

Maximum Ripple Current (mA rms 20°C 1KHz)

μ F \ WV	63		100	
	ESR	IR	ESR	IR
1	13.20	98	13.20	98
1.5	9.82	110	9.82	110
2.2	7.06	146	7.06	146
3.3	4.26	168	4.26	178
4.7	3.11	190	3.02	210
6.8	2.09	240	1.99	290
8.2	1.81	280	1.72	330
10	1.49	330	1.42	380
15	0.98	390	0.92	580
22	0.72	530	0.67	600
33	0.43	640	0.415	760
47	0.325	780	0.309	890
68	0.212	1010	0.202	1120
82	0.179	1230	0.169	1390
100	0.141	1480	0.132	1710
150	0.112	1810	0.103	1890
220	0.101	1920	0.097	1980
330	0.096	2000	0.092	2180