- CAPACITANCE/VOLTAGE RANGE:
  T35X/T39X: 0.1-680µF, 3-50 Volts.
  T36X: 0.1-330µF, 6-50 Volts.

- CAPACITANCE TOLERANCE: Available in standard EIA nominal values with ±20% and ±10% standard.

- DISSIPATION FACTOR: Maximum DF limits are shown in corresponding series part number listings. See Application Notes Section, page 76 for additional information.

- DC LEAKAGE CURRENT: Maximum leakage values at 25° are shown in part number listings, pages 63-65, 67, 68 and 70. See Application Notes Section, pages 76 & 77 for additional information.

- RATED VOLTAGE; WORKING VOLTAGE; SURGE VOLTAGE; REVERSE VOLTAGE: See Application Notes Section, pages 76 & 77 for description.

- IMPEDANCE and ESR: See Application Notes Section, page 77 & 78 for description. Reference ESR values are shown in table below.

Commercial T35X/T36X/T39X ESR (OHMS) at 100 kHz @ +25°C
(The ESR values provided below are for reference only. No warranty, as stated on page 3 and reincorporated here, is made as to the accuracy of these values for any particular T35X, T36X, T39X Series product.)

Cap. µF	6 Volt	10 Volt	16 Volt	20 Volt	25 Volt	35 Volt	50 Volt
0.10						26.0	26.0
0.15						21.0	21.0
0.22						17.0	17.0
0.33						15.0	15.0
0.47						13.0	13.0
0.68						10.0	10.0
1.00				10.0	10.0	8.0	8.0
1.50			10.0	9.0	8.0	6.0	5.0
2.20		13.0	8.0	7.0	6.0	5.0	3.5
3.30	13.0	10.0	6.0	5.5	5.0	4.0	3.0
4.70	10.0	8.0	5.0	4.5	4.0	3.0	2.5
6.80	8.0	6.0	4.0	3.6	3.1	2.5	2.0
10.0	6.0	5.0	3.2	2.9	2.5	2.0	1.6
15.0	5.0	3.7	2.5	2.3	2.0	1.6	1.2
22.0	3.7	2.7	2.0	1.8	1.5	1.3	1.0
33.0	3.0	2.1	1.6	1.4	1.2	1.0	
47.0	2.0	1.7	1.3	1.2	1.0	0.8	
68.0	1.8	1.3	1.0	0.9	0.8		
100.0	1.6	1.0	0.8	0.6			
150.0	0.9	0.8	0.6				
220.0	0.9	0.6					
330.0	0.7						

- AC RIPPLE VOLTAGE: Permissible AC ripple voltage is related to equivalent series resistance (ESR) and power dissipation capability. Maximum power dissipation for each case size is listed in Table below. For additional description see page 78.

Case Size	Power Dissipation (max.) @ 25°C (watts)
T35X, A	.040
T39X B	.050
C	.060
D	.065
E	.070
F	.080
G	.090
H	.100
J	.110
K	.120
L	.130
M	.140
T36X A	.050
B	.075
C	.090
D	.135

Maximum Power Dissipation Capability @ 25°C

- ENVIRONMENTAL CONSIDERATIONS:
  A. Shock Test: MIL-STD-202, Method 213.
  B. Thermal Shock, MIL-STD-202, Method 107, Condition A.
  C. Moisture Resistance: MIL-STD-202, Method 106.
  D. Solderability: MIL-STD-202, Method 208.
  For additional Environmental Test Information see pages 80, 81 and 82.

- LEAD MATERIAL: Effective June 30, 2005 the T35x, T368 and T39x Series will be available, as an

- LEAD TAPE AND REEL: Reeling per specification RS-468. See pages 72 - 74 for additional information.