

# HV TX Series

135°C Long Life

High Ripple Current

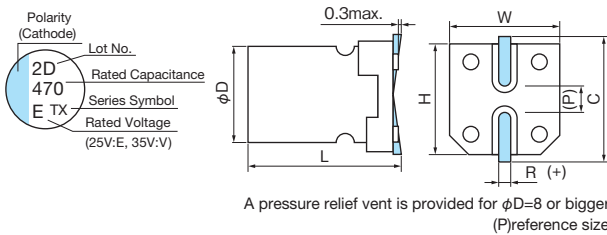


- 135°C 2,000 to 4,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

## Specifications

Items	Condition	Specifications	
Rated voltage (V)	—	25	35
Surge voltage (V)	Room temperature	32	44
Category temperature range (°C)	—	-55 to +135	
Capacitance tolerance (%)	120Hz/20°C	M : ±20	
Dissipation Factor (tan δ)	tanδ (max.) 120Hz/20°C	0.14	0.12
Leakage current (LC)	μA/after 2minutes (max.), 20°C	0.01CV	
Endurance	135°C rated voltage applied (With the rated ripple current)	Test	4,000hours(φ6.3 × 6.0 2,000hours)
		ΔC/C	Within ±30% of the initial value
		tanδ	Less than 200% of the specified value
		ESR	Less than 200% of the specified value
		LC	Less than the specified value

## Marking, Dimensions



(Unit : mm)

D <sup>±0.5</sup>	L <sup>±0.3</sup>	W <sup>±0.2</sup>	H <sup>±0.2</sup>	C <sup>±0.2</sup>	R	P
6.3	6.0	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	7.7	6.6	6.6	7.3	0.5 to 0.8	2.2
8	10.5	8.3	8.3	9.0	0.7 to 1.0	3.2
10	10.5	10.3	10.3	11.0	1.0 to 1.4	4.6
10	12.5	10.3	10.3	11.0	1.0 to 1.4	4.6

## Size, ESR, Rated Ripple Current

μF	V	25		35		
		Case size	ESR	Case size	ESR	
47				6.3×6.0	60	900
56		6.3×6.0	50			
68				6.3×7.7	35	1400
100		6.3×7.7	30			
150				8×10.5	27	1600
220		8×10.5	27			
270				10×10.5	20	2000
330		10×10.5	20	10×12.5	17	2260
470		10×12.5	16			

Please refer to page 18 for ripple current frequency coefficients.

Case size: φDxL(mm)

Rated ripple current  
mA Arms (100kHz, 135°C)

ESR(mΩ)max. at 100kHz, 20°C

## Part number

