

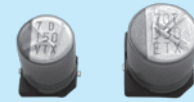
Hybrid Conductive Polymer Type / Surface Mount Type

RoHS compliance

HVTX Series

135°C Long Life

High Ripple Current



φ6.3×6.0
φ6.3×7.7

UP GRADE

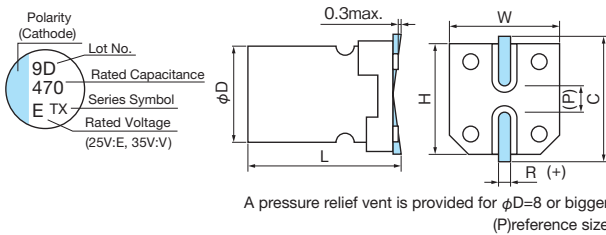
- 135°C 2,000 to 4,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

HVTX
↑ 135°C
HVPX (P.28)

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.)	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 ^{±0.5}	L ^{±0.3}	W ^{±0.2}	H ^{±0.2}	C ^{±0.2}	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	
47			6.3×6.0	60 900
56	6.3×6.0	50 900		
68			6.3×7.7	35 1400
100	6.3×7.7	30 1400		
150			8×10.5	27 1600
220	8×10.5	27 1600		
270			10×10.5	20 2000
330	10×10.5	20 2000	10×12.5	17 2260
470	10×12.5	16 2260		

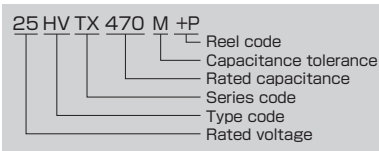
Please refer to page 17 for ripple current frequency coefficients.

Case size:φDxL(mm)

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

ESR(mΩ)max. at 100kHz, 20°C

Part number



Soldering Condition
Reflow Soldering
Condition
Ripple Current Frequency
Coefficient

HVA

HVBF

HVH

HVP

HVT

HVJ

HVHZ

HVPZ

HVHF

HVPF

HVPX

HVTX

HVPY **NEW**

HVTY **NEW**

HVPC

HEHZ

HEPZ

HEHF

HEPF