

Hybrid Conductive Polymer Type / Surface Mount Type

RoHS compliance

HVPY Series

125°C Long Life

High Ripple Current



- 125°C 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 +125	
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	125°C, 4,000hours rated voltage applied (With the rated ripple current)	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

0D
330
V PY

Lot No.
Rated Capacitance
Series Symbol
Rated Voltage
(25V:E, 35V:V)

D _{±0.5}	L _{±0.3}	W _{±0.2}	H _{±0.2}	C _{±0.2}	R	P
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		
270				10×10.5	18	4000
330	10×10.5	18	4000	10×12.5	14	4700
470	10×12.5	14	4700			

Please refer to page 18 for ripple current frequency coefficients.

Case size: φDxL (mm)

Rated ripple current
mA_{rms}(100kHz, 125°C)

ESR(mΩ)max. at 100kHz, 20°C

Part number

35 HVPY 330 M +P

- Reel code
- Capacitance tolerance
- Rated capacitance
- Series code
- Type code
- Rated voltage