

Surface Mount Type

Series: H

SP-Cap

Japan



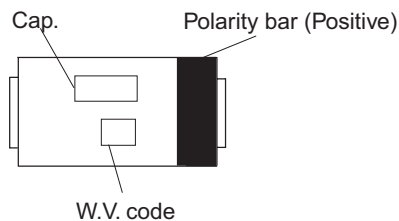
■ Features

- High Reliability (125°C)
- Low ESR & High Ripple Current

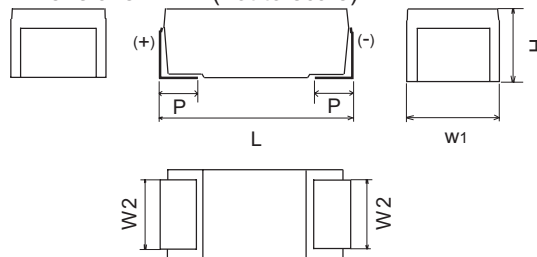
■ Specifications

Operating Temp. Range	-40 to +125°C	
Rated W.V. Range	2 to 8 V. DC	
Nominal Cap. Range	33 to 330 μF	
Capacitance Tolerance	±20 % (120Hz/+20°C)	
DC Leakage Current	$I \leq 0.1 CV$ after 2minutes	
Dissipation Factor	0.1 max. (120Hz/+20°C)	
Surge Voltage	Rated Working Voltage x 1.25 (+15 to +35°C)	
Endurance	After applying rated working voltage for 1000 hours or derated voltage (working voltage x 0.875 at 115°C or working voltage x 0.75 at 125°C) and then being stabilized at 20°C, the capacitor shall meet the following limits.	
	Capacitance change	±10% of initial measured value
	D.F.	≤ Initial specified value
Moisture Resistance	After storing for 500 hours at +60°C, 90%R.H.	
	Capacitance change	2, 2.5W.V.: +70%,-20%, 4W.V.: +60%,-20%, 6.3W.V.: +50%,-20%, 8W.V.: +40%,-20% of initial measured value.
	D.F.	≤ 200% of initial specified value
DC leakage current	Initial specified value	

■ Marking



■ Dimensions in mm(not to scale)



Size Code	L±0.2	W1±0.2	W2±0.1	H±0.1	P±0.3
HL	7.3	4.3	2.4	1.8	1.3
HD	7.3	4.3	2.4	2.8 ^{±0.2}	1.3
HE	7.3	4.3	2.4	4.2	1.3

■ Standard product

Series	Rated W.V. (V.DC)	Capacitance (± 20%) (μF)	Specification		Part Number	Min Pkg Q'ty (pcs)
			Ripple Current (A r.m.s./100kHz) +20 to 125°C	ESR (mΩ) max (100kHz/+20°C)		
*HL	2	100	1.8	18	EEFHL0D101R	3500
	2.5	82	1.8	18	EEFHL0E820R	3500
	4	56	1.8	18	EEFHL0G560R	3500
		68	1.8	18	EEFHL0G680R	3500
	6.3	47	1.8	18	EEFHL0J470R	3500
8	33	1.8	18	EEFHL0K330R	3500	
HD	2	180	2.5	15	EEFHD0D181R	2000
		220	2.5	15	EEFHD0D221R	2000
	2.5	150	2.5	15	EEFHD0E151R	2000
		180	2.5	15	EEFHD0E181R	2000
	4	120	2.5	15	EEFHD0G121R	2000
	6.3	100	2.5	15	EEFHD0J101R	2000
	8	68	2.5	15	EEFHD0K680R	2000
HE	2	270	3.0	12	EEFHE0D271R	2000
		330	3.0	12	EEFHE0D331R	2000
	2.5	220	3.0	12	EEFHE0E221R	2000
		270	3.0	12	EEFHE0E271R	2000
	4	180	3.0	12	EEFHE0G181R	2000
	6.3	150	3.0	12	EEFHE0J151R	2000
	8	100	3.0	12	EEFHE0K101R	2000

* Mass-production begins Q4/2002.

Design and specifications are subject to change without notice. Ask factory for technical specifications before purchase and/or use. Whenever a doubt about safety arises from this product, please contact us immediately for technical consultation.