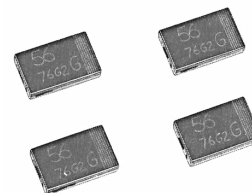


Surface Mount Type

Series: **FD**

SP-Cap

Japan

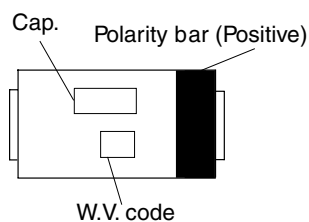


- **Features** Excellent Noise-absorbent Characteristics
Low profile type (1.1mm Height)

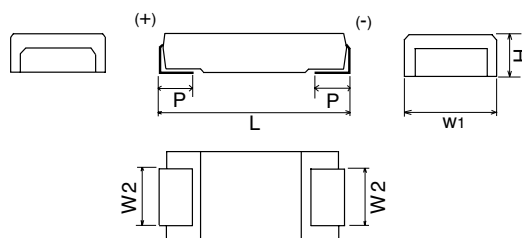
■ Specification

Operating Temp. Range	-40 to +105°C	
Rated W.V Range	2 to 12.5 V. DC	
Nominal Cap. Range	15 to 68 μF	
Capacitance Tolerance	± 20 % (120 Hz / +20°C)	
DC Leakage Current	$I \leq 0.04 CV$ or $3(\mu A)$ after 2 minutes (whichever is the greater) (2 W.V. to 4 W.V.: $I \leq 0.06 CV$)	
Dissipation Factor	≤ 0.06 (120 Hz / +20°C)	
Surge Voltage	Rated Working Voltage x 1.25 (15 to 35°C)	
Endurance	After applying rated working voltage for 1000 hours at +105 ± 2°C, and then being stabilized at +20°C, capacitor shall meet the following limits.	
	Capacitance change	± 10 % of initial measured value
	D.F.	\leq Initial specified value
Moisture resistance	After storing for 500 hours at +60°C, 90%R.H.	
	Capacitance change	+40%,-20% of initial measured value (2, 2.5W.V.: +70%,-20%, 4W.V.: +60%,-20%, 6.3W.V.: +50%,-20%)
	D.F.	≤ 200 % of initial specified value
	DC leakage current	\leq Initial specified value

■ Marking



■ Dimensions in mm (not to scale)



L±0.2	W1±0.2	W2±0.1	H±0.1	P±0.3
7.3	4.3	2.4	1.1	1.3

■ Standard product

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 105°C	* ESR (mΩ) max (100kHz/+20°C)		
2	68	2.0	28	EEFFD0D680R	3500
2.5	56	2.0	28	EEFFD0E560R	3500
4	39	2.0	28	EEFFD0G390R	3500
6.3	33	2.0	28	EEFFD0J330R	3500
8	22	2.0	28	EEFFD0K220R	3500
12.5	15	1.4	40	EEFFD1B150R	3500

* Changed Ripple/ESR limits after APR/2002 production lot.