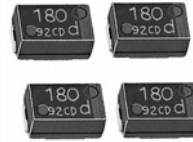


Surface Mount Type

Series: **UD**

SP-Cap

Japan



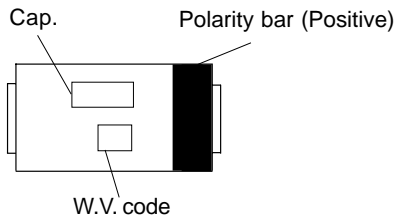
■ Features

- Excellent Noise-absorbent Characteristics
- 2.8mm height

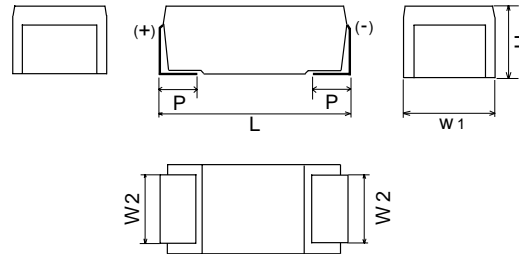
■ Specifications

Operating Temp. Range	-40 to +105°C	
Rated W.V. Range	2 to 16 V. DC	
Nominal Cap. Range	15 to 330 μ F	
Capacitance Tolerance	$\pm 20\%$ (120Hz/+20°C)	
DC Leakage Current	$I < 0.06 CV$ after 2minutes (2W.V., 2.5W.V., 4W.V.), $I < 0.04 CV$ after 2 minutes (6.3~16W.V.)	
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 at +105 $\pm 2^\circ$ C, and then being stabilized at +20°C, capacitor shall meet the following limits.	
	Capacitance change	$\pm 10\%$ of initial measured value
	D.F.	\leq Initial specified value
	DC leakage current	\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.	$\leq 200\%$ of initial specified value
	DC leakage current	\leq initial specified value

■ Marking



■ Dimensions in mm(not to scale)



Series	L ± 0.2	W1 ± 0.2	W2 ± 0.1	H ± 0.1	P ± 0.3
UD	7.3	4.3	2.4	3.1*	1.3

* Changed to 2.8 ± 0.2 (from Q4/2001 onward)

■ Standard product

Rated W.V. (V.DC)	Capacitance ($\pm 20\%$) (μ F)	Specification		Part Number	Min Pkg Q'ty (pcs)
		* Ripple Current (A r.m.s./100kHz) +20 to 105°C	* ESR (m Ω) max (100kHz/+20°C)		
2	180	3.0	15	EEFUD0D181R	2000
	220	3.0	15	EEFUD0D221R	2000
	270	3.0	15	EEFUD0D271R	2000
	330	3.0	15	EEFUD0D331R	2000
2.5	150	3.0	15	EEFUD0E151R	2000
	180	3.0	15	EEFUD0E181R	2000
	220	3.0	15	EEFUD0E221R	2000
	270	3.0	15	EEFUD0E271R	2000
4	120	3.0	15	EEFUD0G121R	2000
	150	3.0	15	EEFUD0G151R	2000
6.3	100	3.0	15	EEFUD0J101R	2000
	120	3.0	15	EEFUD0J121R	2000
8	68	3.0	15	EEFUD0K680R	2000

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