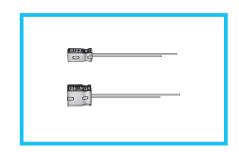
USF

7mmL, Low Impedance



- Low impedance over wide temperature range of −55 to +105°C, with 7mm height.
- Compliant to the RoHS directive (2011/65/EU).

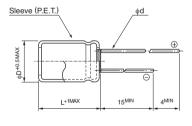




■Specifications

Item	Performance Characteristics									
Category Temperature Range	-55 to +105°C									
Rated Voltage Range	6.3 to 35V	3.3 to 35V								
Rated Capacitance Range	6.8 to 220µF	.8 to 220µF								
Capacitance Tolerance	±20% at 120Hz, 20	± 20% at 120Hz, 20°C								
Leakage Current	After 2 minutes' app	After 2 minutes' application of rated voltage at 20°C, leakage current is not more than 0.01CV or 3(μA), whichever is greater.								
	Measurement frequency : 120Hz, Temperature : 20°C									
Tangent of loss angle (tan δ)	Rated voltage (V)	6.3	10	16	2	5 35				
	tan δ (MAX.)	0.18	0.16	0.14	0.1	12	0.12			
	Measurement frequency: 120Hz									
Otaliin alla Tarana	Rated voltage (V)		6.3	10	16	25	35			
Stability at Low Temperature	Impedance ratio	Z-25°C / Z+20°C	2	2	2	2	2			
	ZT / Z20 (MAX.)	Z-55°C / Z+20°C	3	3	3	3	3			
						1450	000/ (11 : 111 1			
	The specifications I			· · · · ·	Capacitance change		Within ±20% of the initial capacitance value			
Endurance	the capacitors are r			tan δ		200% or less than the initial specified value				
	voltage is applied for 1000 hours at 105°C. Leakage current Less than or equal to the initial specified value									
Shelf Life	After storing the capacitors under no load at 105°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they shall meet the specified values for the endurance characteristics listed above.									
Marking	Printed with white color letter on dark brown sleeve.									

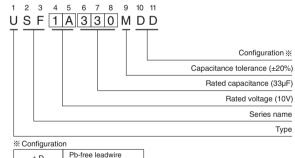
■Radial Lead Type





				(mm)
φD	4	5	6.3	8
Р	1.5	2.0	2.5	3.5
φd	0.45	0.45	0.45	0.5

Type numbering system (Example : $10V\ 33\mu F$)



※ Configuration								
φD	Pb-free leadwire Pb-free PET sleeve							
4 to 8	DD							

■ Dimensions

	V	(6.3			10			16			25			35	
Cap.(µF) Code		0J			1A		1C		1E		1V					
6.8	6R8													4×7	3.3	70
10	100		į	i		i			i		4 × 7	3.3	70	5×7	1.7	110
15	150		1					4×7	3.3	70	5 × 7	1.7	110	6.3 × 7	0.8	160
22	220			! !	4×7	3.3	70	5×7	1.7	110	5 × 7	1.7	110	6.3 × 7	0.8	160
33	330	5 × 7	1.7	110	5 × 7	1.7	110	6.3 × 7	0.8	160	6.3 × 7	0.8	160	8 × 7	0.5	200
47	470	5×7	1.7	110	6.3×7	0.8	160	6.3×7	0.8	160	8 × 7	0.5	200		!	Į.
68	680	6.3×7	0.8	160	6.3 × 7	0.8	160	8×7	0.5	200	8 × 7	0.5	200			
100	101	6.3×7	0.8	160	8 × 7	0.5	200	8×7	0.5	200					i	
150	151	8 × 7	0.5	200	8 × 7	0.5	200							Case size	Impe-	Rated
220	221	8 × 7	0.5	200		i			i					$\phi D \times L (mm)$	dance	ripple

Max. Impedance (Ω) at 20°C 100kHz Rated ripple current (mArms) at 105°C 100kHz

• Frequency coefficient of rated ripple current

. ,					
Frequency	50 Hz	120 Hz	300 Hz	1 kHz	10 kHz or more
Coefficient	0.35	0.50	0.64	0.83	1.00

Please refer to page 20, 21, 22 about the formed or taped product spec. Please refer to page 4 for the minimum order quantity.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Nichicon:

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USF0J101MDD USF0J151MDD USF0J221MDD USF1A151MDD USF1A220MDD USF1C330MDD
USF1C470MDD USF1E680MDD USF1V100MDD USF1V150MDD USF0J680MDD USF1A101MDD
USF1C150MDD USF1C220MDD USF1E470MDD USF0J330MDD USF0J470MDD USF1A680MDD
USF1C101MDD USF1E220MDD USF1E330MDD USF1V330MDD USF1V6R8MDD USF1A330MDD
USF1A470MDD USF1C680MDD USF1E100MDD USF1E150MDD USF1V220MDD UVK0J333MRD
UVK0J472MHD UVK0J473MRD UVK0J102MPD UVK0J103MHD UVK0J682MHD UVK0J683MRD UVK1A102MPD
UVK1A332MHD UVK1A333MRD UVK1A471MED UVK1C332MHD UVK1C333MRD UVK1E223MRD
UVK1E331MPD UVK1E332MHD UVK1H103MRD UVK1H221MPD UVK0J153MHD UVK0J222MPD
UVK0J223MHD UVK0J332MPD UVK1A222MPD UVK1A223MHD UVK1A331MED UVK1C222MPD
UVK1C223MRD UVK1C331MED UVK1E153MRD UVK1E221MED UVK1E222MHD UVK1A103MHD
UVK1A153MHD UVK1A221MDD UVK1C103MHD UVK1C153MHD UVK1C221MED UVK1E101MDD
UVK1E102MPD UVK1E103MHD UVK1H010MDD UVK1H0R1MDD UVK1H100MDD UVK1A472MHD
UVK1A473MRD UVK1A682MHD UVK1C471MPD UVK1C472MHD UVK1C682MHD UVK1E471MPD
UVK1E472MHD UVK1E682MHD UVK1H222MHD UVK1H2R2MDD UVK1H330MDD UVK1H472MRD
UVK1H4R7MDD UVK1H680MED UVK1J221MPD UVK1J222MHD UVK1J330MED UVK1V103MRD
UVK1V153MRD UVK1V221MPD UVK1H101MPD UVK1H102MHD UVK1H470MED UVK1H471MPD
UVK1J101MPD1TA UVK1J102MHD UVK1J220MDD
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