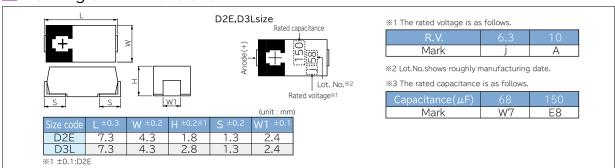
RoHS compliance, Halogen free

High reliability: 85°C85%RH rated voltage applied (warranty) higher thermal resistance: 125°C guaranteed (ambient temperature) Power supply circuit of entertainment equipment for the car.

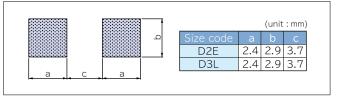
Specifications

Items	Condition			Specifications				
Rated voltage (V)	_			6.3	10			
Surge voltage (V)	-			7.2	12			
Category temperature range(℃)	-			−55 to +125				
Capacitance tolerance (%)	120Hz/20℃			M: ±20				
Rated capacitance range (μ F)	120Hz/20℃			68 to 150				
Dissipation Factor (DF)	120Hz/20℃			Please see the attached characteristics list				
Leakage current	Rated voltage applied, after 5 minutes			Please see the attached characteristics list				
Equivalent series resistance (ESR)	100kHz/20℃			Please see the attached characteristics list				
Characteristics of impedance ratio at high temp. and low temp.	100kHz/+20℃	-55℃	Z/Z20℃	0.6 to	2.0			
ratio at high temp. and low temp.		+105℃	Z/Z20℃	0.6 to 2.0				
Endurance	125°C, 1,000h, category voltage applied (105°C 2,000h, rated voltage applied)	temp		125	105			
		∆C/C		Within±20% of the initial value				
		DF		≤ 2 times of the initial limit	≤ 1.5 times of the initial limit			
	, , , , , , , , , , , , , , , , , , ,	LC		≤ 2 times of the initial limit	Within the initial limit			
Damp heat(Load)	85℃, 85 to 90%RH, 500h,	∆C/C		Within+40%,-20% of the initial value				
	rated voltage applied	DF		≤ 1.5 times of the initial limit				
		LC		Within the initial limit				
Surge	105℃, 1,000 cycles, 1kΩ discharge resistance,	∆C/C		Within±5% of the initial value				
	1kΩ discharge resistance,	DF		Within the initial limit				
	surge voltage applied	L	С	≤ 3 times of the initial limit				

Marking and dimensions



Recommended land pattern dimension of PWB



Size list RV:Rated voltage

RV μF	6.3	10.0		
68		D2E		
150	D2E	D3L		

TV series characteristics list

Size code	Part number	Rated voltage (V)	Rated temperature (°C)	Rated capacitance (µF)		Category temperature (°C)			ESR (mΩmax) 100kHz/20°C	Maximum allowable ripple current (mArms) 100kHz ^{*1}	M: Reflow temp. ≤ 260°C	SL Reflow temp. ≤ 250°C
D2E	10TVE68M	10	105	68	6.3	125	10	68.0	25	2400	5	3
	6TVE150M	6.3	105	150	4.0	125	10	94.5	25	2400	5	3
D3L	10TVE150ML	10	105	150	6.3	125	10	150.0	25	2400	5	3

%1 100k to 500kHz,45℃

OS-CON

OS-CON
Line-up

Guidelines and precautions

Selection guide

Technical data

Radial lead type

Catalog Deletion and EOL series

ΡΟΣΟΛΡ

Catalog Deletion and EOL models

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