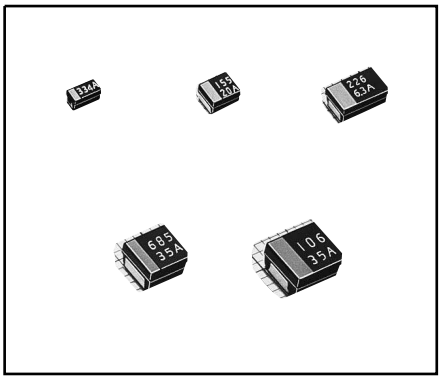
SOLID-ELECTROLYTE TANTALUM CAPACITORS
(TANCHIP® SERIES)

TYPE 267N
Epoxy resin molding chip
High Reliability Series

⚠ CAUTIONS
- This capacitor is polarized, do not apply reverse voltage.
- The sum of peak value of AC and DC voltage should not exceed the rated voltage.
- This catalog is designed for providing general information. Please inquire of our Sales Department to confirm specifications prior to use.



Type 267 is specially designed to SMD, based on our technology of chip tantalum capacitors acquired over many years. Fully-molded construction provides excellent mechanical protection, superior moisture resistance and high soldering heat resistance.

FEATURES

1. 267N is high reliability series which is specially designed and is produced under strict Statistic Process Control(SPC) to meet the application in severe environment such as automotive electronics, etc.
2. Moisture resistance : 85°C 85%R.H. 1000h
3. This type is suitable for Automotive electronics as ECU(Electronics Control Unit), ABS, Air bag, Absorber, Immobilizer, etc.

NOTIFICATIONS FOR USE

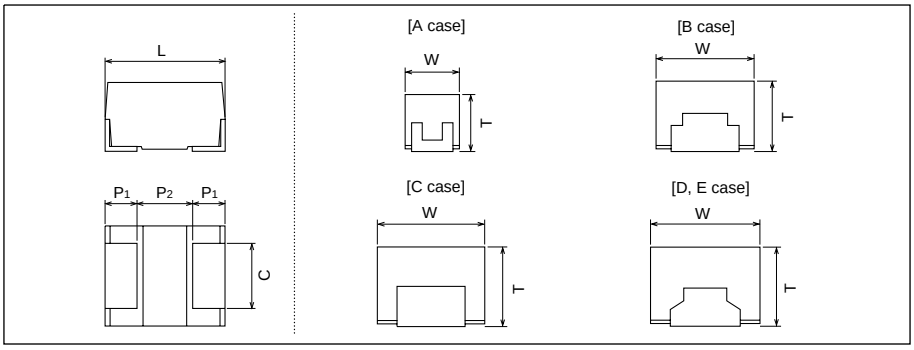
Please inquire of our Sales Department for your suitable soldering or cleaning conditions.

CHARACTERISTICS

ITEM	CHARACTERISTICS
Failure rate level	0.5%/1000h
Operating temperature range	−55～+85°C to +125°C with voltage derating
Rated voltage	4−6.3−10 −16−20−25−35VDC
Capacitance range	0.1～100μF
Capacitance tolerance	±10%, ±20%

Available capacitance tolerance ±5%(J) upon request.

DIMENSIONS mm



Case code	EIA code	L ±0.2	W ±0.2	T ±0.2	P1 ±0.2	P2 min.	C ±0.1
A	3216	3.2	1.6	1.6	0.75	1.4	1.2
B	3528	3.5	2.8	1.9	0.8	1.5	2.2
C	–	5.6	3.3	2.3	1.3	2.8	2.2
D	–	5.6	4.6	3.2	1.3	2.8	3.2
E	7257	7.3	5.8	3.5	1.3	4.0	3.5

A, B Case is in conformity with EIA-535BAAC.
E Case is in conformity with EIA-535BAAD.

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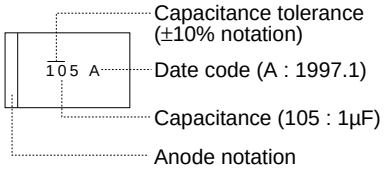
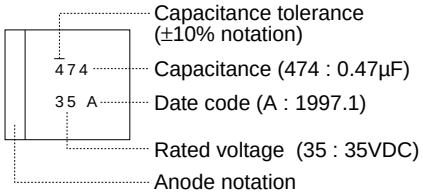
MARKING

(A case)



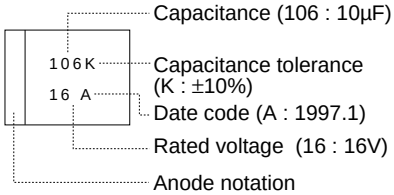
Color : silver

(B case)



Color : silver

(C, D, E case)



Color : silver

STANDARD RATINGS

R.V.(VDC) / Cap.(μF)	4	6.3	10	16	20	25	35
0.1							A
0.15							A
0.22							A
0.33							A
0.47						A	B
0.68					A		B
1.0				A			B
1.5			A			B	C
2.2		A			B		C
3.3	A			B			C
4.7			B	B		C	D
6.8		B			C		D
10	B			C		D	
15			C		D		
22		C		D	D	E	
33	C		D				
47		D					
68	D	D					
100	D						

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RATINGS AND CATALOG NUMBERS (High Reliability Series)

	Catalog number	cap. (μF)	case code	Max DC Lct. (μA)			Max Dissipation factor				Max ESR(Ω)
				20°C	85°C	125°C	–55°C	20°C	85°C	125°C	10kHz
Rated voltage 4VDC/Surge voltage 5VDC	267N 4001 335 □[1]□[2]	3.3	A	0.3	4	5	0.06	0.04	0.04	0.06	7.5
	267N 4001 106 □[1]□[2]	10	B	0.3	4	5	0.08	0.06	0.06	0.06	3.0
	267N 4001 336 □[1]□[2]	33	C	0.7	11	13	0.08	0.06	0.06	0.06	0.6
	267N 4001 686 □[1]□[2]	68	D	1.4	22	27	0.08	0.06	0.06	0.06	0.5
	267N 4001 107 □[1]□[2]	100	D	2.0	32	40	0.10	0.08	0.08	0.08	0.5
Rated voltage 6.3VDC/Surge voltage 8VDC	267N 6301 225 □[1]□[2]	2.2	A	0.3	4	5	0.06	0.04	0.04	0.06	7.5
	267N 6301 685 □[1]□[2]	6.8	B	0.3	4	5	0.08	0.06	0.06	0.06	3.0
	267N 6301 226 □[1]□[2]	22	C	0.7	11	14	0.08	0.06	0.06	0.06	0.6
	267N 6301 476 □[1]□[2]	47	D	1.5	24	30	0.08	0.06	0.06	0.06	0.5
	267N 6301 686 □[1]□[2]	68	D	2.1	34	43	0.08	0.06	0.06	0.06	0.5
Rated voltage 10VDC/Surge voltage 13VDC	267N 1002 155 □[1]□[2]	1.5	A	0.3	4	5	0.06	0.04	0.04	0.06	7.5
	267N 1002 475 □[1]□[2]	4.7	B	0.3	4	5	0.06	0.04	0.04	0.06	3.0
	267N 1002 156 □[1]□[2]	15	C	0.8	12	15	0.08	0.06	0.06	0.06	1.2
	267N 1002 336 □[1]□[2]	33	D	1.7	26	33	0.08	0.06	0.06	0.06	1.0
Rated voltage 16VDC/Surge voltage 20VDC	267N 1602 105 □[1]□[2]	1.0	A	0.3	4	5	0.05	0.04	0.04	0.05	7.5
	267N 1602 335 □[1]□[2]	3.3	B	0.3	4.2	5.3	0.06	0.04	0.04	0.06	3.0
	267N 1602 475 □[1]□[2]	4.7	B	0.4	6.0	7.5	0.06	0.04	0.04	0.06	3.0
	267N 1602 106 □[1]□[2]	10	C	0.8	13	16	0.08	0.06	0.06	0.06	1.2
	267N 1602 226 □[1]□[2]	22	D	1.8	28	35	0.08	0.06	0.06	0.06	1.0
Rated voltage 20VDC/Surge voltage 26VDC	267N 2002 684 □[1]□[2]	0.68	A	0.3	4	5	0.05	0.04	0.04	0.05	7.5
	267N 2002 225 □[1]□[2]	2.2	B	0.3	4	5	0.06	0.04	0.04	0.06	3.0
	267N 2002 685 □[1]□[2]	6.8	C	0.7	11	14	0.08	0.06	0.06	0.06	1.2
	267N 2002 156 □[1]□[2]	15	D	1.5	24	30	0.08	0.06	0.06	0.06	1.0
	267N 2002 226 □[1]□[2]	22	D	2.2	35	44	0.08	0.06	0.06	0.06	1.0
Rated voltage 25VDC/Surge voltage 32VDC	267N 2502 474 □[1]□[2]	0.47	A	0.3	4	5	0.05	0.04	0.04	0.05	7.5
	267N 2502 155 □[1]□[2]	1.5	B	0.3	4	5	0.06	0.04	0.04	0.06	3.0
	267N 2502 475 □[1]□[2]	4.7	C	0.6	9.4	12	0.06	0.04	0.04	0.06	1.2
	267N 2502 106 □[1]□[2]	10	D	1.3	20	25	0.08	0.06	0.06	0.06	1.0
	267N 2502 226 □[1]□[2]	22	E	2.8	44	55	0.08	0.06	0.06	0.06	0.4
Rated voltage 35VDC/Surge voltage 44VDC	267N 3502 104 □[1]□[2]	0.1	A	0.3	4	5	0.05	0.04	0.04	0.05	10
	267N 3502 154 □[1]□[2]	0.15	A	0.3	4	5	0.05	0.04	0.04	0.05	10
	267N 3502 224 □[1]□[2]	0.22	A	0.3	4	5	0.05	0.04	0.04	0.05	7.5
	267N 3502 334 □[1]□[2]	0.33	A	0.3	4	5	0.05	0.04	0.04	0.05	7.5
	267N 3502 474 □[1]□[2]	0.47	B	0.3	4	5	0.05	0.04	0.04	0.05	3.0
	267N 3502 684 □[1]□[2]	0.68	B	0.3	4	5	0.05	0.04	0.04	0.05	3.0
	267N 3502 105 □[1]□[2]	1.0	B	0.3	4	5	0.05	0.04	0.04	0.05	3.0
	267N 3502 155 □[1]□[2]	1.5	C	0.3	4.2	5.3	0.06	0.04	0.04	0.06	1.2
	267N 3502 225 □[1]□[2]	2.2	C	0.4	6.2	7.7	0.06	0.04	0.04	0.06	1.2
	267N 3502 335 □[1]□[2]	3.3	C	0.6	9.2	12	0.06	0.04	0.04	0.06	1.2
	267N 3502 475 □[1]□[2]	4.7	D	0.8	13	16	0.06	0.04	0.04	0.06	1.0
	267N 3502 685 □[1]□[2]	6.8	D	1.2	19	24	0.08	0.06	0.06	0.06	1.0

□[1] capacitance tolerance code “K” (±10%) or “M” (±20%)
□[2] taping code “R” (“N”) or “L” (“P”)
Pull direction “R” (“N”) is standard.