

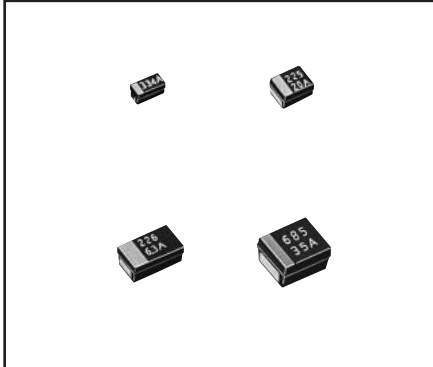
RoHS COMPLIANT, LEAD-FREE

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.
- Information in this catalog is subject to change without prior notice. Please inquire of us 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 Series is high-reliability capacitors developed for devices, such as automotive electric components, to be used under severe environmental conditions.
2. Moisture resistance :
85°C 85%R.H. 1000h
3. This series is suitable for automotive electronics, such as Engine Control Units, ABS, Air Bags, EPS and Immobilizers.

NOTIFICATIONS FOR USE

Prior to use, please refer to Application Notes for Tantalum Solid Electrolytic Capacitors.

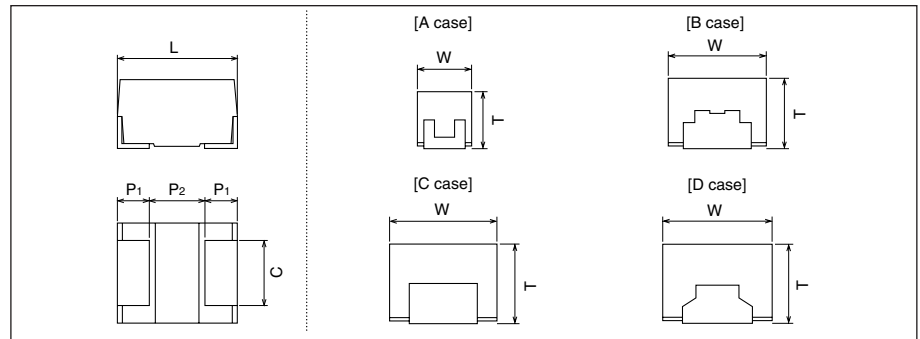
CHARACTERISTICS

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	0.1~100 μF
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

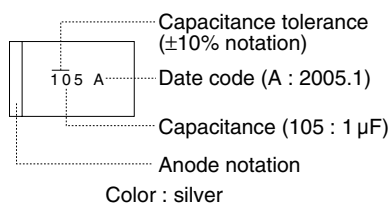
Cases A and B conform to the dimensions specified in EIA-535BAAC.

TYPE 267N

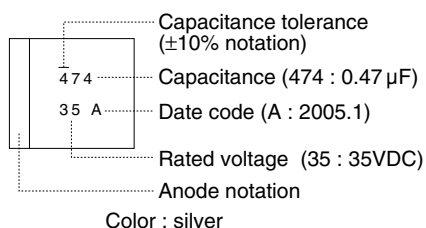
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MARKING

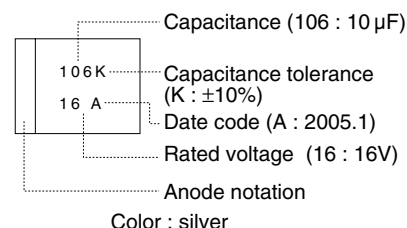
(A case)



(B case)



(C, D case)



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	A		B	B		C	D
6.8		B	B		C		D
10	B	B		C		D	
15			C		D		
22		C		D	D		
33	C		D				
47		D					
68	D	D					
100	D						



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RATINGS AND CATALOG NUMBERS (High Reliability Series)

	Catalog number	cap. (μ F)	case code	Max DC Lct. (μ A)			Max Dissipation factor				Max ESR(Ω) 10kHz
				20°C	85°C	125°C	-55°C	20°C	85°C	125°C	
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 475 □ ¹ □ ²	4.7	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 106 □ ¹ □ ²	10	B	0.3	5	6.3	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 685 □ ¹ □ ²	6.8	B	0.3	5.4	6.8	0.08	0.06	0.06	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
	267N 1002 686 □ ¹ □ ²	68	D	2.1	34	43	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
	267N 1602 686 □ ¹ □ ²	68	D	2.1	34	43	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
	267N 2002 686 □ ¹ □ ²	68	D	2.1	34	43	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
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" (\pm 10%) or "M" (\pm 20%)

□² taping code "R" ("N") or "L" ("P")

Pull direction "R" ("N") is standard.