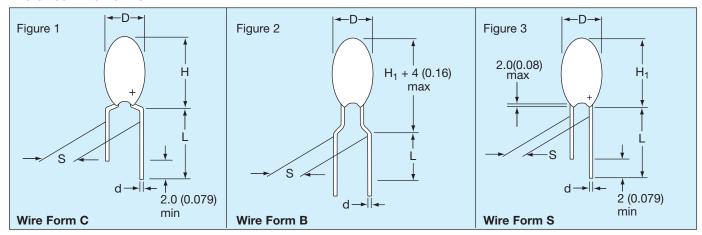
Wire Form Outline

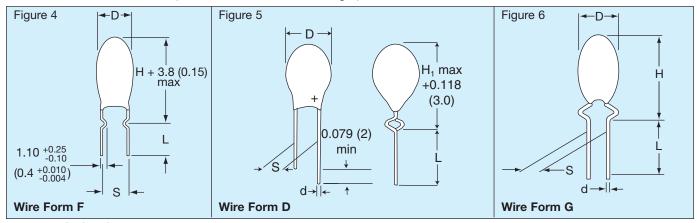


SOLID TANTALUM RESIN DIPPED TAP/TEP

Preferred Wire Forms



Non-Preferred Wire Forms (Not recommended for new designs)



DIMENSIONS millimeters (inches)

Wire Form	m Figure Case Size		L (see note 1)	S	d	Packaging Suffixes Available*				
Preferred Wire Forms										
С	Figure 1	A - R*	16.0±4.00 (0.630±0.160)	5.00±1.00 (0.200±0.040)	0.50±0.05 (0.020±0.002)	CCS Bulk CRW Tape/Reel CRS Tape/Ammo				
В	Figure 2	A - J*	16.0±4.00 (0.630±0.160)	5.00±1.00 (0.200±0.040)	0.50±0.05 (0.020±0.002)	BRW Tape/Reel BRS Tape/Ammo				
S	Figure 3	A - J*	16.0±4.00 (0.630±0.160)	2.50±0.50 (0.100±0.020)	0.50±0.05 (0.020±0.002)	SCS Bulk SRW Tape/Reel SRS Tape/Ammo				
lon-Preferr	ed Wire Forr	ns (Not recomn	nended for new desig	gns)						
			3 90+0 75	5 00+0 50	0.50+0.05					

F	Figure 4	A - R	3.90±0.75 (0.155±0.030)	5.00±0.50 (0.200±0.020)	0.50±0.05 (0.020±0.002)	FCS	Bulk
D	Figure 5	A - H*	16.0±4.00 (0.630±0.160)	2.50±0.75 (0.100±0.020)	0.50±0.05 (0.020±0.002)	DCS DTW DTS	Bulk Tape/Reel Tape/Ammo
G	Figure 6	A - J	16.0±4.00 (0.630±0.160)	3.18±0.50 (0.125±0.020)	0.50±0.05 (0.020±0.002)	GSB	Bulk
Н	Similar to Figure 1	to A - B 16.0±4		6.35±1.00 (0.250±0.040)	0.50±0.05 (0.020±0.002)	HSB	Bulk

Notes: (1) Lead lengths can be supplied to tolerances other than those above and should be specified in the ordering information.

For case size availability in tape and reel, please refer to pages 199-200.

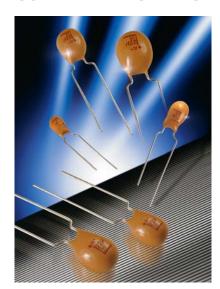


⁽²⁾ For D, H, and H₁ dimensions, refer to individual product on following pages.

TAP Series



SOLID TANTALUM RESIN DIPPED CAPACITORS

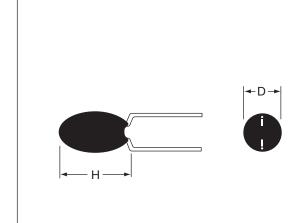


TAP is a professional grade device manufactured with a flame retardant coating and featuring low leakage current and impedance, very small physical sizes and exceptional temperature stability. It is designed and conditioned to operate to +125°C (see page 228 for voltage derating above 85°C) and is available loose or taped and reeled for auto insertion. The 15 case sizes with wide capacitance and working voltage ranges means the TAP can accommodate almost any application.



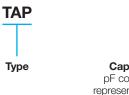


MAXIMUM CASE DIMENSIONS: millimeters (inches)



Wire	C, F, G, H	B, S, D			
Case	Н	*H ₁	D		
А	8.50 (0.330)	7.00 (0.280)	4.50 (0.180)		
В	9.00 (0.350)	7.50 (0.300)	4.50 (0.180)		
С	10.0 (0.390)	8.50 (0.330)	5.00 (0.200)		
D	10.5 (0.410)	9.00 (0.350)	5.00 (0.200)		
Е	10.5 (0.410)	9.00 (0.350)	5.50 (0.220)		
F	11.5 (0.450)	10.0 (0.390)	6.00 (0.240)		
G	11.5 (0.450)	10.0 (0.390)	6.50 (0.260)		
Н	12.0 (0.470)	10.5 (0.410)	7.00 (0.280)		
J	13.0 (0.510)	11.5 (0.450)	8.00 (0.310)		
K	14.0 (0.550)	12.5 (0.490)	8.50 (0.330)		
L	14.0 (0.550)	12.5 (0.490)	9.00 (0.350)		
M	14.5 (0.570)	13.0 (0.510)	9.00 (0.350)		
N	16.0 (0.630)		9.00 (0.350)		
Р	17.0 (0.670)		10.0 (0.390)		
R	18.5 (0.730)		10.0 (0.390)		

HOW TO ORDER

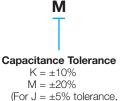


Capacitance Code pF code: 1st two digits represent significant figures,

3rd digit represents multiplier

(number of zeros to follow)

475



please consult factory)



Rated DC Voltage









TECHNICAL SPECIFICATIONS

Technical Data:			All technical data relate to an ambient temperature of +25°C						
Capacitance Range:	0.10 μF to 330 μF								
Capacitance Tolerance:	±20%; ±10% (±5% consult your AVX representative for details)								
Rated Voltage DC (V _R)	≤ +85°C:	6.3	10	16	20	25	35	50	
Category Voltage (V _C)	≤ +125°C:	4	6.3	10	13	16	23	33	
Surge Voltage (V _S)	≤ +85°C:	8	13	20	26	33	46	65	
Surge Voltage (V _S)	≤ +125°C:	5	9	12	16	21	28	40	
Temperature Range:		-55°C to +125°C							
Environmental Classification:		55/12	5/56	(IEC 6	8-2)				
Dissipation Factor:		\leq 0.04 for C _R 0.1-1.5µF							
		\leq 0.06 for C _R 2.2-6.8µF							
		≤0.08 for C _R 10-68μF							
			\leq 0.10 for C _R 100-330µF						
Reliability:			1% per 1000 hrs. at 85°C with $0.1\Omega/V$ series impedance, 60% confidence level.						
Qualification:			CECC 30201 - 032						

CAPACITANCE AND RATED VOLTAGE RANGE (LETTER DENOTES CASE SIZE)

Capacita	ance	Rated voltage DC (V _R)									
μF	Code	6.3V	10V	16V	20V	25V	35V	50V			
0.10 0.15 0.22	104 154 224						A A A	A A A			
0.33 0.47 0.68	334 474 684						A A A	A A B			
1.0 1.5 2.2	105 155 225		А	A A	A A A	A A A	A A B	C D E			
3.3 4.7 6.8	335 475 685	A A A	А А В	A B C	B C D	B C D	C E F	F G H			
10 15 22	106 156 226	B C D	C D E	D E F	E F H	E F H	F H K	J K L			
33 47 68	336 476 686	E F G	F G H	F J L	J K N	J M N	M N				
100 150 220	107 157 227	H K M	K N P	N N R	N						
330	337	Р	R								

Values outside this standard range may be available on request.

AVX reserves the right to supply capacitors to a higher voltage rating, in the same case size, than that ordered.

MARKING

Polarity, capacitance, rated DC voltage, and an "A" (AVX logo) are laser marked on the capacitor body which is made of flame retardant gold epoxy resin with a limiting oxygen index in excess of 30 (ASTM-D-2863).

Polarity

• Tolerance code:

Capacitance

±20% = Standard (no marking)

Voltage
AVX logo
±10% = "K ONTREVEISS SIGES | ±5% = "J" on reverse side of unit





TAP Series



RATINGS AND PART NUMBER REFERENCE

			DCL	DF	ESR
AVX Port No	Case Size	Capacitance		% Max.	Max. (Ω) @ 100 kHz
Part No.		μF : @ 85°C (4	Max.		@ 100 KHZ
TAP 335(*)006	A	3.3	0.5	6	13.0
TAP 475(*)006	A	4.7	0.5	6	10.0
TAP 685(*)006	A	6.8	0.5	6	8.0
TAP 106(*)006	В	10	0.5	8	6.0
TAP 156(*)006	С	15	0.8	8	5.0
	D	22	1.1		3.7
TAP 226(*)006 TAP 336(*)006	E	33	1.7	8	3.0
TAP 476(*)006	F	47	2.4		
TAP 686(*)006	G	68	3.4	8	2.0
		100	5.0	_	_
TAP 107(*)006	Н			10	1.6
TAP 157(*)006	K	150	7.6	10	0.9
TAP 227(*)006	M	220	11.0	10	0.9
TAP 337(*)006	P	330	16.6	10	0.7
		@ 85°C (6.3			100
TAP 225(*)010	A	2.2	0.5	6	13.0
TAP 335(*)010	Α	3.3	0.5	6	10.0
TAP 475(*)010	A	4.7	0.5	6	8.0
TAP 685(*)010	В	6.8	0.5	6	6.0
TAP 106(*)010	С	10	0.8	8	5.0
TAP 156(*)010	D	15	1.2	8	3.7
TAP 226(*)010	E	22	1.7	8	2.7
TAP 336(*)010	F	33	2.6	8	2.1
TAP 476(*)010	G	47	3.7	8	1.7
TAP 686(*)010	Н	68	5.4	8	1.3
TAP 107(*)010	K	100	8.0	10	1.0
TAP 157(*)010	N	150	12.0	10	0.8
TAP 227(*)010	Р	220	17.6	10	0.6
TAP 337(*)010	R	330	20.0	10	0.5
		@ 85°C (10			
TAP 155(*)016	Α	1.5	0.5	4	10.0
TAP 225(*)016	Α	2.2	0.5	6	8.0
TAP 335(*)016	Α	3.3	0.5	6	6.0
TAP 475(*)016	В	4.7	0.6	6	5.0
TAP 685(*)016	С	6.8	0.8	6	4.0
TAP 106(*)016	D	10	1.2	8	3.2
TAP 156(*)016	E	15	1.9	8	2.5
TAP 226(*)016	F	22	2.8	8	2.0
TAP 336(*)016	F	33	4.2	8	1.6
TAP 476(*)016	J	47	6.0	8	1.3
TAP 686(*)016	L	68	8.7	8	1.0
TAP 107(*)016	N	100	12.8	10	0.8
TAP 157(*)016	N	150	19.2	10	0.6
TAP 227(*)016	R	220	20.0	10	0.5
	20 volt	@ 85°C (13	volt @ 125		
TAP 105(*)020	Α	1.0	0.5	4	10.0
TAP 155(*)020	Α	1.5	0.5	4	9.0
TAP 225(*)020	Α	2.2	0.5	6	7.0
TAP 335(*)020	В	3.3	0.5	6	5.5
TAP 475(*)020	С	4.7	0.7	6	4.5
TAP 685(*)020	D	6.8	1.0	6	3.6
TAP 106(*)020	Е	10	1.6	8	2.9
TAP 156(*)020	F	15	2.4	8	2.3
TAP 226(*)020	Н	22	3.5	8	1.8
TAP 336(*)020	J	33	5.2	8	1.4
TAP 476(*)020	K	47	7.5	8	1.2
TAP 686(*)020	N	68	10.8	8	0.9
TAP 107(*)020	N	100	16.0	10	0.6
· ' '					

AVX Part No.	Case Size	Capacitance µF	Max.	DF % Max.	ESR Max. (Ω) @ 100 kHz
2	25 volt	@ 85°C (16	volt @ 125	s°C)	
TAP 105(*)025	Α	1.0	0.5	4	10.0
TAP 155(*)025	Α	1.5	0.5	4	8.0
TAP 225(*)025	Α	2.2	0.5	6	6.0
TAP 335(*)025	В	3.3	0.6	6	5.0
TAP 475(*)025	С	4.7	0.9	6	4.0
TAP 685(*)025	D	6.8	1.3	6	3.1
TAP 106(*)025	Е	10	2.0	8	2.5
TAP 156(*)025	F	15	3.0	8	2.0
TAP 226(*)025	Н	22	4.4	8	1.5
TAP 336(*)025	J	33	6.6	8	1.2
TAP 476(*)025	М	47	9.4	8	1.0
TAP 686(*)025	N	68	13.6	8	0.8
	35 vol	t @ 85°C (2	3 volt @ 12	25°C)	
TAP 104(*)035	Α	0.1	0.5	4	26.0
TAP 154(*)035	Α	0.15	0.5	4	21.0
TAP 224(*)035	Α	0.22	0.5	4	17.0
TAP 334(*)035	Α	0.33	0.5	4	15.0
TAP 474(*)035	Α	0.47	0.5	4	13.0
TAP 684(*)035	Α	0.68	0.5	4	10.0
TAP 105(*)035	Α	1.0	0.5	4	8.0
TAP 155(*)035	Α	1.5	0.5	4	6.0
TAP 225(*)035	В	2.2	0.6	6	5.0
TAP 335(*)035	С	3.3	0.9	6	4.0
TAP 475(*)035	Е	4.7	1.3	6	3.0
TAP 685(*)035	F	6.8	1.9	6	2.5
TAP 106(*)035	F	10	2.8	8	2.0
TAP 156(*)035	Н	15	4.2	8	1.6
TAP 226(*)035	K	22	6.1	8	1.3
TAP 336(*)035	М	33	9.2	8	1.0
TAP 476(*)035	N	47	10.0	8	0.8
		@ 85°C (33		i°C)	
TAP 104(*)050	Α	0.1	0.5	4	26.0
TAP 154(*)050	Α	0.15	0.5	4	21.0
TAP 224(*)050	Α	0.22	0.5	4	17.0
TAP 334(*)050	Α	0.33	0.5	4	15.0
TAP 474(*)050	Α	0.47	0.5	4	13.0
TAP 684(*)050	В	0.68	0.5	4	10.0
TAP 105(*)050	С	1.0	0.5	4	8.0
TAP 155(*)050	D	1.5	0.6	4	6.0
TAP 225(*)050	Е	2.2	0.8	6	3.5
TAP 335(*)050	F	3.3	1.3	6	3.0
TAP 475(*)050	G	4.7	1.8	6	2.5
TAP 685(*)050	Н	6.8	2.7	6	2.0
TAP 106(*)050	J	10	4.0	8	1.6
TAP 156(*)050	K	15	6.0	8	1.2
TAP 226(*)050	L	22	8.8	8	1.0

^(*) Insert capacitance tolerance code; M for ±20%, K for ±10% and J for ±5%



NOTE: Voltage ratings are minimum values. AVX reserves the right to supply higher voltage ratings in the same case size.