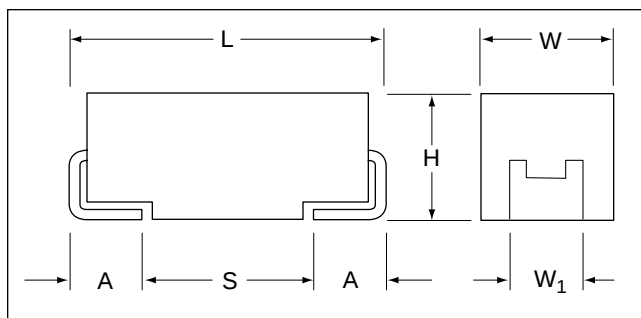


Surface Mount Tantalum Capacitors



TPS Series - Low ESR Solid Tantalum Chip Capacitors (EIA Standard)



Dimensions: millimeters (inches)

Code	EIA Code	W+0.2 (0.008) -0.1 (0.004)	L±0.2 (0.008)	H+0.2 (0.008) -0.1 (0.004)	W ₁ ±0.2 (0.008)	A+0.3 (0.012) -0.2 (0.008)	S Min.
A	3216	1.6 (0.063)	3.2 (0.126)	1.6 (0.063)	1.2 (0.047)	0.8 (0.031)	1.1 (0.043)
B	3528	2.8 (0.110)	3.5 (0.138)	1.9 (0.075)	2.2 (0.087)	0.8 (0.031)	1.4 (0.055)
C	6032	3.2 (0.126)	6.0 (0.236)	2.6 (0.102)	2.2 (0.087)	1.3 (0.051)	2.9 (0.114)
D	7343	4.3 (0.169)	7.3 (0.287)	2.9 (0.114)	2.4 (0.094)	1.3 (0.051)	4.4 (0.173)
E	7343H	4.3 (0.169)	7.3 (0.287)	4.1 (0.162)	2.4 (0.094)	1.3 (0.051)	4.4 (0.173)
V		6.1 (0.240)	7.3 (0.287)	3.45 ±0.3 (0.136±0.012)	3.1 (0.122)	1.4 (0.055)	3.4 (0.134)

W₁ dimension applies to the termination width for A dimensional area only.

HOW TO ORDER

TPS E 107 M 016 R 0100

① ② ③ ④ ⑤ ⑥ ⑦

① Type

② Case Code: (See table below)

③ Capacitance Code:

pF Code: 1st two digits represent significant figures, 3rd digit represents multiplier (number of zeros to follow)

④ Tolerance:

K=10%, M=±20%

⑤ Rated DC Voltage

⑥ Packaging:

R=7" tape and reel, S=13" tape and reel

⑦ Maximum ESR at 100kHz at 25°C in milliohms (from matrix)

Standard Packaging

	TAPE & REEL	
	7"	13"
A	2,000	8,000
B	2,000	8,000
C	500	3,000
D	500	2,500
E	400	1,500
V	400	1,500

Capacitance and Voltage Range (letter denotes case code)

Capacitance		Rated Voltage (V _R) at 85°C					
μF	Code	6.3V	10V	16V	20V	25V	35V
1.5	155					A(3000)	B(3000)
2.2	225			A(3500)	A(3000)	B(2500)	B(2000)
3.3	335			A(3500)	A(2500)	B(2000)	C(700)
4.7	475		A(2500)	A(2000)	A(1800)	B(1500)	C(600)
6.8	685	A(1800)	A(1800)	B(1200)	C(700)	C(700)	D(500)
10	106	A(1500)	A(1800)	B(800)	B(1000) C(700)	C(500)	D(300)
15	156	A(1500)	A(1000)	B(800)	C(450)	D(300)	C(450) D(300)
22	226	A(1000) B(600)	B(700)	C(375)	C(400) D(300)	D(200)	D(400) E(200-300)
33	336	B(600)	C(375-500)	C(300)	D(200)	E(175-300)	D(300)
47	476	B(500) C(300)	C(350)	C(350) D(150-200)	D(200) E(150)	D(250)	
68	686	B(500) C(200)	D(150)	D(150)	E(125-170)	V(95-300)	
100	107	C(150)	C(100-200) D(65-140)	D(125-150) E(100-150)	D(175) V(85-200)		
150	157	C(150) D(125)	D(100)	D(150) V(75)			
220	227	D(100)	D (100-150) E(60-150) V(60)	V(75-150)			
330	337	D(100) E(100-150) V(60-100)	D(100-150) E(60-100) V(60-100)				
470	477	D (100-200) V(55-100) E(50-200)	E(50-200)				

ESR limits quoted in brackets are in milliohms

Additional information on this product is available from AVX's catalog or AVX's FAX Service. Call 1-800-879-1613 and request document #071. Visit our website <http://www.avxcorp.com>

