

Surface Mount Type

Series: TEH

- Features High moisture resistance at +60°C, 90 to 95 % R,H

Japan
China



■ Specifications

Category temp. range	-55 to +125°C						
Rated W.V. Range	4 to 35 V .DC						
Nominal Cap. Range	0.15 to 100 μ F						
Capacitance Tolerance	±20 % (120Hz/+20°C)						
DC Leakage Current	I ≤ 0.01 CV or 0.5(μA) after 2 minutes application of rated working voltage at 20°C (whichever, greater)						
Dissipation Factor	Please see the attached standard products list						
Impedance	Cap.(μF)	0.1 to 0.22	0.33 to 0.68	1.0 to 6.8	10 to 33	47 to 100	(100kHz/+20°C)
	Z(Ω) max.	60	15	8	3	1	
Resistance to Soldering Heat	The capacitor shall withstand dipping into solder for 10±1 seconds at +260±5°C						
Moisture Resistance	After 1000 hours exposure at +60 °C and 90 to 95 % R.H. without load, the capacitor shall meet the following limits.						
	Capacitance change	±10% of initial measured value					
	D.F.	≤ initial specified value					
	DC leakage current	≤ 200 % of initial specified value					
Endurance	After 2000 hours application of rated DC working voltage at +85°C or derated voltage at +125°C, the capacitor shall meet the following limits.						
	Capacitance change	±10% of initial measured value					
	D.F.	≤ initial specified value					
	DC leakage current	≤ 125 % of initial specified value					
Temperature Cycle	After 100 cycles at -55°C /+125°C, the capacitor shall meet the following limits.						
	Capacitance change	±5% of initial measured value					
	D.F.	≤ initial specified value					
	DC leakage current	≤ 125 % of initial specified value					

■ Marking

● Size Y

Polarity bar (+side)

Manufacture's identification

W.V.code

W.V. (V)	4	6.3	10	16	20	25	35
code	G	J	A	C	D	E	V

Capacitance code

Cap. code	Capacitance
474	470000 pF= 0.47 μF
475	4700000 pF= 4.7 μF

W.V.code

Cap. code

● Size X,C,D

Cap. Code(same as size Y)

Manufacture's identification

W.V.(V)

※ (for 6.3W.V. abbreviated to 6 V)

■ Dimensions in mm (not to scale)

EIA code	Size code	L±0.2	W1±0.2	W2±0.1	H±0.2	P±0.3
3216	Y	3.2	1.6	1.2	1.6	0.8
3528	X	3.5	2.8	2.2	1.9	0.8
6032	C	6.0	3.2	2.2	2.5	1.3
7343	D	7.3	4.3	2.4	2.8	1.3

※ Each case side has different configuration of terminal.

■ Case size

W.V.(V.DC) Cap.(μF)	4(0G)		6.3(0J)		10(1A)		16(1C)		20(1D)		25(1E)		35(1V)	
	Standard	Miniature	Standard	Miniature	Standard	Miniature	Standard	Miniature	Standard	Miniature	Standard	Miniature	Standard	Miniature
0.15 to 0.33														Y
0.47 (474)											Y			X Y
0.68 (684)							Y		Y					X Y
1.0 (105)							Y					Y		X
1.5 (155)							Y			Y	X			C X
2.2 (225)					Y		X	Y	X			X		C X
3.3 (335)			Y			Y	X	Y	X	C	X	C		D C
4.7 (475)	Y			Y	X	Y		X	C	X		C		D
6.8 (685)		Y	X	Y		X	C	X	C					D
10 (106)	X	Y		X	C	X	C			C	D			D
15 (156)		X	C	X	C			C	D			D		
22 (226)		X	C			C	D		D					
33 (336)	C			C	D		D							
47 (476)		C	D		D									
68 (686)	D		D											
100 (107)	D													

Note : 1. () shows W.V. and capacitance code.

2. When selecting W.V. see the page 210.

3. We would like to recommend current sizes in above table for new design, but conventional case size is available on request.

4. Other rating upon request (voltage, capacitance, tolerance, size)

Design, Specifications are subject to change without notice. Ask factory for technical specifications before purchase and/or use. Whenever a doubt about safety arises from this product, please inform us immediately for technical consultation without fail.