## UL Product iQ™



## BBBG2.MH20839 - CAPACITORS, ELECTROCHEMICAL - COMPONENT

## Capacitors, Electrochemical - Component

See General Information for Capacitors, Electrochemical - Component

TECATE INDUSTRIES INC
MH20839

7520 MISSION VALLEY RD SAN DIEGO, CA 92108-4400 USA

Model	Single Capacitor	Capacitor Module	Stationary Use Only	Controlled Environment Temp Limits, °C*	Capacitance, F	Voltage
PB-2R5/040 may be followed by additional suffixes	X	_	_	_	4.0	2.5
PB-2R5/100 may be followed by additional suffixes	х	_	_	_	10.0	2.5
PBD-5R0/040 may be followed by additional suffixes	_	Х	_	_	2.0	5.0
Series Type TPL, followed by -0.5 through 400, "/", 8 through 35, "X", 12 through 60. May be followed by additional suffixes.	Х	_	_	_	0.5 - 400	2.7
Series Type TPLE, followed by 5.0 through -100, "/", 10 through 22, X, 20 through 45.	Х	_	_	_	5 - 100	2.3
Series Type TPLS, followed by -100 through 400, "/", 22 through 35, X, 45 through 60. May be followed by additional suffixes.	Х	_	_	_	100-400	2.3
Series Type TPLS, followed by -100 through 400, "/", 22 through 35, "X", 45 through 60. May be followed by additional suffixes.	Х	_	_	_	100-400	2.7
Series Type PBL, followed by 0.25 through 070/1955.45. Way be followed by additional suffixes to personalize	_	Х	_	_	0.25-17.0	5.4
รดาไอราไรอย คือยี่เรื่องโอพอยังไร้เรื่อริฐหมื่อโigh กาสเขิเส/ใจรัสเรื่อพลงาชส์ followedybye our เาลิศให้เอาจไรน์ที่โร้อริธhare information	_	Х	> Cooki	– e Settings	0.25-17.0 <b>✓ Acc</b>	5.4 sept
about Yope PBEC, ក៏ព្រៃพืช by 0.25 through ទទុន្ស ខ្យាក្រធនាំអង្សេងខ្ញុំ កែព្រៃស៊ីខ្សង់ទូ additional នុស្សាំវុម៌នេន partners Learn More	_	Х	_	_	0.25-15	2.7 or 5.4#

S.4. May be followed by additional suffixes   X	CAPACITORS, ELECTROCHEMICAL - COMPONENT   OL PIODUCTIQ							
77, 5.4 \$. May be followed by additional suffixes.       —       X       —       —       35       5.4         17-0018-4765 \$ (a)       —       X       —       —       6.4       13.5         17-0018-655 \$ (a)       —       X       —       —       6.4       13.5         17-0018-483 \$, 17-0011-4483 \$, 17-0012-4483 \$, 17-0013-4483 \$, may be followed by additional suffixes A·K.       —       X       —       —       6.4       13.5         17-0017-4483 \$, 17-018-4483 \$, may be followed by additional suffix letter A through Z.       —       X       —       —       6.4       13.5         17-0017-4483 \$, may be followed by additional suffix letter A through Z.       —       X       —       —       6.4       13.5         17-0019-4483 \$, may be followed by additional suffix letter A through Z.       —       X       —       —       6.4       13.5         17-0019-4483 \$, may be followed by additional suffix letter A through Z.       —       X       —       —       6.8       13.5         17-0023-4483 \$, may be followed by additional suffix letter A through Z.       —       X       —       —       7.6       13.5         17-0026-4483 \$, may be followed by additional suffix letter A through Z.       —       X       —       —       7.6       <		_	Х	_	_	34-38	2.7 or 5.4#	
17-0001-6655 \$, 17-0002-6655 \$ (a)	"/", 5.4 \$. May be followed by additional	_	Х	_	_	0.25-34	5.4	
17-0003-6655 \$ (a)	17-0018-4765 \$ (a)	_	Х	_	_	35	5.4	
17-0005-4483 \$, 17-0011-4483 \$, 17-0012-4483 \$, 17-0013-4483 \$, 17-0013-4483 \$, 17-0016-4483 \$, 17-0015-4483 \$, 17-0016-4483 \$, 17-0015-4483 \$, 17-0018-4483 \$, 17-018-448	17-0001-6655 \$, 17-0002-6655 \$ (a)	_	Х	_	_	6.4	13.5	
4483 \$, 17-0013-4483 \$, may be followed by additional suffixes A-K.  Models 17-0015-4483 \$, 17-0016-4483 \$, 17-0016-4483 \$, 17-0016-4483 \$, 17-0018-4483 \$, may be followed by additional suffix letter A through Z.  17-0019-4483 \$, may be followed by additional suffix letter A through Z.  17-0019-4483 \$, may be followed by additional suffix letter A through Z.  17-0019-4483 \$, may be followed by additional suffix letter A through Z.  17-0023-4483 \$, may be followed by additional suffix letter A through Z.  17-0026-4483 \$, may be followed by additional suffix letter A through Z.  17-0026-4483 \$, may be followed by additional suffix letter A through Z.  17-0027-4483 \$ — X — 7.6 13.5 13.5 17-0007-4483 \$ — X — 2 to 2.2 13.5 17-0008-4483 \$ — X — 12.8 13.5 17-0008-4483 \$ (a) — X — 5.0 10.0 10.0 17-0002-3570 \$ — X — 10 10.0 10.8 17-0003/3/SX11, TPL-0.33/6X9, TPL-0.5/6X9, X — — 0.33 to 100 2.7 TPL-1.2/6X15 TPLS-60/25X40 X — — 60 to 400 2.7 TPL-1.2/6X15 TPLS-60/25X40 X — — 60 to 400 2.7 TPL-1.2/6X15 — X — — 10 2.7 TPLH-1.2/6X16 by 17-0005-4840 \$ — X — — 10 2.7 TPLH-1.2/5Y 320F S — X — — 110 2.5 TPLH 2.5Y 320F S — X — — 110 2.5 TPLH 2.5Y 320F S — X — — 320 2.5 — 1110 2.5 TPLH 2.5Y 320F S hare information X — — 60 S esttings 380	17-0003-6655 \$ (a)	_	Х	_	_	1.2	13.5	
17-0017-4483 \$, 17-018-4483 \$, may be followed by additional suffix letter A through Z.  17-0014-4483 \$, may be followed by additional suffix letter A through Z.  17-0019-4483 \$, may be followed by additional suffix letter A through Z.  17-0023-4483 \$, may be followed by additional suffix letter A through Z.  17-0023-4483 \$, may be followed by additional suffix letter A through Z.  17-0024-4483 \$, may be followed by additional suffix letter A through Z.  17-0026-4483 \$, may be followed by additional suffix letter A through Z.  17-0008-4483 \$ — X — — 7.6 13.5 13.5 17-0008-4483 \$ — X — — 12.8 13.5 17-0008-4483 \$ (a) — X — — 12.8 13.5 17-0003-4483 \$ (a) — X — — 5.0 10.0 17-0002-3570 \$ — X — — 10 10.8 17-0002-3570 \$ — X — — 0.33 to 100 2.7 17-12/6X15 1	4483 \$, 17-0013-4483 \$, may be followed	_	Х	_	_	6.4	13.5	
additional suffix letter A through Z.  17-0019-4483 \$, may be followed by additional suffix letter A through Z.  17-0023-4483 \$, may be followed by additional suffix letter A through Z.  17-0026-4483 \$, may be followed by additional suffix letter A through Z.  17-0026-4483 \$, may be followed by additional suffix letter A through Z.  17-0007-4483 \$	17-0017-4483 \$, 17-018-4483 \$, may be followed by additional suffix letter A	_	х	_	_	6.4	13.5	
additional suffix letter A through Z.  17-0023-4483 \$, may be followed by additional suffix letter A through Z.  17-0026-4483 \$, may be followed by additional suffix letter A through Z.  17-0007-4483 \$ — X — — 7.6 13.5  17-0007-4483 \$ — X — — 2 to 2.2 13.5  17-0008-4483 \$ — X — — 12.8 13.5  17-0003-4483 \$ (a) — X — — 5.0 10.0  17-0002-3570 \$ — X — — 10 10.8  TPL-0.33/5X11, TPL-0.33/6X9, TPL-0.5/6X9, X — — — 0.33 to 100 2.7  TPL-1.2/6X15  TPLS-60/25X40 X — — 60 to 400 2.7  TPL-100/18X60F X — — 0.33 to 100 2.7  17-0003-4840 \$ 17-0005-4840 \$ — X — — 10 2.7  17-0003-4840 \$ 17-0005-4840 \$ — X — — 10 2.7  17-0003-4840 \$ 17-0005-4840 \$ — X — — 10 2.7  17-0003-4840 \$ 17-0005-4840 \$ — X — — 10 2.7  17-0003-4840 \$ 17-0005-4840 \$ — X — — 10 2.7  17-0003-4840 \$ 17-0005-4840 \$ — X — — 10 2.7  17-0003-4840 \$ 17-0005-4840 \$ — X — — 10 2.7  17-0003-4840 \$ 17-0005-4840 \$ — X — — 10 2.7  17-0003-4840 \$ 17-0005-4840 \$ — X — — 10 2.7  17-0003-4840 \$ 17-0005-4840 \$ — X — — 10 2.5  17-0003-4840 \$ 17-0005-4840 \$ — X — — 10 2.5  17-0003-4840 \$ 17-0005-4840 \$ — X — — 10 2.5  17-0003-4840 \$ 17-0005-4840 \$ — X — — 10 2.5  17-0003-4840 \$ 17-0005-4840 \$ — — 320 2.5  17-0003-4840 \$ 17-0005-4840 \$ — — 320 2.5  17-0003-4840 \$ 17-0005-4840 \$ — — 320 2.5  17-0003-4840 \$ 17-0005-4840 \$ — — 320 2.5  17-0003-4840 \$ 17-0005-4840 \$ — — 320 2.5  17-0003-4840 \$ 17-0005-4840 \$ — — 320 2.5  17-0003-4840 \$ 17-0005-4840 \$ — — 320 2.5  17-0003-4840 \$ 17-0005-4840 \$ — — 320 2.5  17-0003-4840 \$ 17-0005-4840 \$ — — 320 2.5  17-0003-4840 \$ 17-0005-4840 \$ — — 320 2.5  17-0003-4840 \$ 17-0005-4840 \$ — — 320 2.5  17-0003-4840 \$ 17-0005-4840 \$ — — 320 2.5  17-0003-4840 \$ 17-0005-4840 \$ — — 320 2.5  17-0003-4840 \$ 17-0005-4840 \$ — — 320 2.5  17-0003-4840 \$ 17-0005-4840 \$ — — 320 2.5  17-0003-4840 \$ 10-0005-4840 \$ — — 320 2.5  17-0003-4840 \$ 10-0005-4840 \$ — — 320 2.5  17-0003-4840 \$ 10-0005-4840 \$ — — — 320 2.5  17-0003-4840 \$ 10-0005-4840 \$ — — — 320 2.5  17-0003-4840 \$ 10-0005-4840 \$ — — — 320 2.5  17-0003-4840 \$ 10-0005-4840 \$ — — — 320 2.5  17-0003-4840 \$ 10-000		_	Х	_	_	2 to 2.2	13.5	
additional suffix letter A through Z.  17-0026-4483 \$, may be followed by additional suffix letter A through Z.  17-0007-4483 \$  — X — — 2 to 2.2 13.5  17-0008-4483 \$  — X — — 12.8 13.5  17-0003-4483 \$ (a) — X — — 5.0 10.0  17-0002-3570 \$  — X — — 10 10.8  TPL-0.33/5X11, TPL-0.33/6X9, TPL-0.5/6X9, X — — 0.33 to 100 2.7  TPL-1.2/6X15  TPL-100/18X60F  X — — 60 to 400 2.7  TPL-100/18X60F  X — — 0.33 to 100 2.7  TPL-100/18X60F  X — — 10 2.7  TPL-100/18X60F  X — — 320 2.5  TPL-12/5V 320F per dia features and to analyze our TPLH 2.5V 320F per dia features and to analyze our TPL		_	х	_	_	6.8	13.5	
additional suffix letter A through Z.  17-0007-4483 \$		_	Х	_	_	7.6	13.5	
17-0008-4483 \$       —       X       —       —       12.8       13.5         17-0003-4483 \$ (a)       —       X       —       —       5.0       10.0         17-0002-3570 \$       —       X       —       —       10       10.8         TPL-0.33/5X11, TPL-0.33/6X9, TPL-0.5/6X9, TPL-0.5/6X9, TPL-1.2/6X15       X       —       —       0.33 to 100       2.7         TPL5-60/25X40       X       —       —       60 to 400       2.7         TPL-100/18X60F       X       —       —       0.33 to 100       2.7         C17-0003-4840 \$, 17-0005-4840 \$       —       X       —       —       10       2.7         VPLH-2.5V-000Fes to personalize       X       —       —       —       110       2.5         content and ads, to provide social TPLH 2.5V-320F, pedia features and to analyze our TPLH 2.5V-380F share information       X       —       —       —       —       Accept		_	Х	_	_	7.6	13.5	
17-0003-4483 \$ (a)       —       X       —       —       5.0       10.0         17-0002-3570 \$       —       X       —       —       10       10.8         TPL-0.33/5X11, TPL-0.33/6X9, TPL-0.5/6X9, TPL-1.2/6X15       X       —       —       0.33 to 100       2.7         TPL5-60/25X40       X       —       —       60 to 400       2.7         TPL-100/18X60F       X       —       —       0.33 to 100       2.7         17-0003-4840 \$ 17-0005-4840 \$       —       X       —       —       10       2.7         VPLH2-5Vd10fes to personalize       X       —       —       —       110       2.5         content and ads, to provide social TPLH 2.5V 320F       X       —       —       —       320       2.5         TBLH 2.5V-380F share information       X       —       —       Cookle Settings       380       ✓ Accept	17-0007-4483 \$	_	Х	_	_	2 to 2.2	13.5	
17-0002-3570 \$       —       X       —       —       10       10.8         TPL-0.33/5X11, TPL-0.33/6X9, TPL-0.5/6X9, TPL-1.2/6X15       —       —       —       0.33 to 100       2.7         TPLS-60/25X40       X       —       —       60 to 400       2.7         TPL-100/18X60F       X       —       —       0.33 to 100       2.7         C17-0003-4840 \$_17-0005-4840 \$       —       X       —       —       10       2.7         VPLH32-5Vc100Fes to personalize       X       —       —       —       110       2.5         Content and ads, to provide social TPLH 2.5V 320F media features and to analyze our TPLH 2.5V 320F social TPLH 3.5V 32	17-0008-4483 \$	_	х	_	_	12.8	13.5	
TPL-0.33/5X11, TPL-0.33/6X9, TPL-0.5/6X9, TPL-1.2/6X15       X       —       —       0.33 to 100       2.7         TPLS-60/25X40       X       —       —       60 to 400       2.7         TPL-100/18X60F       X       —       —       0.33 to 100       2.7         17-0003-4840 \$,17-0005-4840 \$       —       X       —       —       10       2.7         VPLH-92-5V-0100 Fes to personalize       X       —       —       —       110       2.5         content and ads, to provide social TPLH 2.5V 320F pedia features and to analyze our TPLH 2.5V-320F share information       X       —       —       —       320       2.5         TERTH 2.5V-320F share information       X       —       —       Cookie Settings       √ Accept	17-0003-4483 \$ (a)	_	х	_	_	5.0	10.0	
TPL-1.2/6X15       X       —       —       60 to 400       2.7         TPL-100/18X60F       X       —       —       —       0.33 to 100       2.7         C17-0003-4840 \$ 17-0005-4840 \$       —       X       —       —       10       2.7         VPLHI2-5V010Fes to personalize       X       —       —       —       110       2.5         content and ads, to provide social TPLH 2.5V 320F media features and to analyze our TPLH 2.5V 380Fo share information       X       —       —       —       320       25         TPLH 2.5V 380Fo share information       X       —       —       Cookie Settings       √ Accept	17-0002-3570 \$	_	Х	_	_	10	10.8	
TPL-100/18X60F       X       —       —       0.33 to 100       2.7         C17-0003-4840 \$_17-0005-4840 \$       —       X       —       —       10       2.7         VPELH32-5Vc000Fes to personalize       X       —       —       —       —       110       2.5         Content and ads, to provide social TPLH 2.5V 320F media features and to analyze our results for the content and ads, to provide social TPLH 2.5V 380Fo share information       X       —       —       —       320       2.5         TERTH 2.5V 380Fo share information       X       —       —       Cookie Settings       √ Accept		Х	_	_	_	0.33 to 100	2.7	
C17-0003-4840 \$ 17-0005-4840 \$	TPLS-60/25X40	Х	_	_	_	60 to 400	2.7	
VVELHS25VddQfes to personalize X — — — 110 2.5  content and ads, to provide social TPLH 2.5V 320F	TPL-100/18X60F	Х	_	_	_	0.33 to 100	2.7	
content and ads, to provide social TPLH 2.5V 320F media features and to analyze our interfield 2/5/We380€o share information  X  —  Cookie Settings  √ Accept	17-0003-4840 \$, 17-0005-4840 \$	_	Х	_	_	10	2.7	
media features and to analyze our tr⊞ttit 2\\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	·	х	_	_	_	110	2.5	
in EPRING 2\NV63800Fo share information X — S Cookie Settings 380 ✓ Accept	content and ads, to provide social TPLH 2.5V 320F media features and to analyze our	Х						
about your use of our site with our	treffild 2161/638050 share information	Х	_	Cooki	e Settings	380 <b>√ Acc</b>	ept	
TPLH 2.5V 2800F	about your use of our site with our TPLH 2.5V 2800F social media, advertising and	Х	_	_		2800	2.5	
aTPAHyt279/38909Fers Learn More X — — 3000 2.7	,	х			_	3000	2.7	

		to or inclinior		EITT   OE T TOUG		
TPLH 2.7V 0650F	х	_	_	_	650	2.7
TPLH 2.7V 1200F	Х	_	_	_	1200	2.7
TPLH 2.7V 1500F	Х	_	_	_	1500	2.7
TPLH 2.7V 2000F	Х	_	_	_	2000	2.7
17-0005-9901 \$	_	х	_	_	12	2.7
TPLH 3.0V 350F	х	_	_	_	380	3.0
TPLH 3.0V 400F	х	_	_	_	430	3.0
TPLH 3.0V 450F	х	_	_	_	480	3.0
TPLH 2.85V 3400F	Х	_	_	_	3400	2.85
TPLH 3.0V 650F	х	_	_	_	650	3.0
TPLH 3.0V 1200F	Х	_	_	_	1200	3.0
TPLH 3.0V 1500F	Х	_	_	_	1500	3.0
TPLH 3.0V 2000F	Х	_	_	_	2000	3.0
TPLH 3.0V 3000F	Х	_	_	_	3000	3.0
TPLH 3.0V 100F	Х	_	_	_	100	3.0
TPLH 2.7V 100F	Х	_	_	_	100	2.7
TPLH 2.7V 120F	х	_	_	_	120	2.7
TPLH 2.7V 320F	х	_	_	_	320	2.7
TPLH 2.7V 350F	х	_	_	_	350	2.7
TPLH 2.7V 400F	х	_	_	_	400	2.7
TPLH 2.7V 450F	х	_	_	_	450	2.7
TPLH 2.7V 600F	х	_	_	_	600	2.7
Series 17-xxxx-xxxx, may be followed by blank, followed by 0.5F through 400F, may be followed by blank, followed by 2.7V. (Where xxxx-xxxx may be any numeric character)		Х			0.5-400	2.7
Series IPLH, followed by 2.7, followed by V, followed by 1.5 through 120, followed by F	Х				1.5-120	2.7
୍ଦ Series TPଧର ଓ ଅଧୀର୍ଣ୍ଣ ହୋଇଥିଲି ଓ ଅଧୀର୍ଣ୍ଣ ହେଉଥିଲି କଥିଲି । Media features and to analyze our	Х	_			30-450	3.8
ir <del>pf[ce }ሃያο                                   </del>	Х		— Gooki		30 <b>√ Acc</b>	ept
a <del>bout your use of our site with our</del> TPLCE 3.8V 70F social media, advertising and	Х			_	70	3.8
aրոլցենց արդարութ Learn More	Х		_	_	120	3.8

TPLCE 3.8V 220F	Х	_	_	_	220	3.8
TPLCE 3.8V 450F	Х	_	_	_	450	3.8

- \* Only applicable to capacitors or capacitor modules for use in "stationary only" applications that are located in controlled environments.
- # Wiring configuration dependent; 5.4V for use of series connections, 2.7V for use of non-series connections.
- \$ Dashes within the part number are optional.
- (a) May be followed by letters A-Z.

Marking: Company name, tradename "Tecate Group" or Trademark **POWERBUR** model designation and the Recognized Component Mark .

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