

MIL-PRF-49470 STANDARD PROFILE (BX, BR, BQ)

Cross Reference from Old
Cancelled DLA Drawing 87106

MIL-PRF-49470 (Change K to M for 20% Tolerance)	Cap µF	Case Code	Height A inches (mm)	Cap Tol. 10%	Presidio Part Number (Change K to M for 20% Tolerance)	87106-xxx N-Lead		87106-xxx J-Lead		
Blue Fill = T Level Qualified		Bold = M Level Qualified			25 VOLT (Z)		K Tol.	M. Tol.	K Tol.	M Tol.

BX

**For 25V Rated QPL Stacked Capacitors
Please Contact Factory.**

Blue Fill = T Level Qualified		Bold = M Level Qualified			50 VOLT (A)		K Tol.	M. Tol.	K Tol.	M Tol.
T or M49470X01105KA*	1.0	5	.120 (3.05)	10%	HRS101BX105K2*3	001	002	241	242	
T or M49470X01125KA*	1.2	5	.120 (3.05)	10%	HRS101BX125K2*3	003	004	243	244	
T or M49470X01155KA*	1.5	5	.240 (6.10)	10%	HRS201BX155K2*3	005	006	245	246	
T or M49470X01185KA*	1.8	5	.240 (6.10)	10%	HRS201BX185K2*3	007	008	247	248	
T or M49470X01225KA*	2.2	5	.240 (6.10)	10%	HRS201BX225K2*3	009	010	249	250	
T or M49470X01275KA*	2.7	5	.360 (9.14)	10%	HRS301BX275K2*3	011	012	251	252	
T or M49470X01335KA*	3.3	5	.360 (9.14)	10%	HRS301BX335K2*3	013	014	253	254	
T or M49470X01395KA*	3.9	5	.480 (12.19)	10%	HRS401BX395K2*3	015	016	255	256	
T or M49470X01475KA*	4.7	5	.480 (12.19)	10%	HRS401BX475K2*3	017	018	257	258	
T or M49470X01565KA*	5.6	5	.650 (16.51)	10%	HRS501BX565K2*3	019	020	259	260	
T or M49470X01685KA*	6.8	4	.360 (9.14)	10%	HRS305BX685K2*4	223	224	261	262	
T or M49470X01825KA*	8.2	4	.360 (9.14)	10%	HRS305BX825K2*4	021	022	263	264	
T or M49470X01106KA*	10	4	.480 (12.19)	10%	HRS405BX106K2*4	023	024	265	266	
T or M49470X01126KA*	12	4	.480 (12.19)	10%	HRS405BX126K2*4	025	026	267	268	
T or M49470X01156KA*	15	4	.650 (16.51)	10%	HRS505BX156K2*4	027	028	269	270	
T or M49470X01186KA*	18	3	.240 (6.10)	10%	HRS213BX186K2*10	029	030	271	272	
T or M49470X01226KA*	22	3	.360 (9.14)	10%	HRS313BX226K2*10	031	032	273	274	
T or M49470X01276KA*	27	3	.360 (9.14)	10%	HRS313BX276K2*10	033	034	275	276	
T or M49470X01336KA*	33	3	.360 (9.14)	10%	HRS313BX336K2*10	035	036	277	278	
T or M49470X01396KA*	39	3	.480 (12.19)	10%	HRS413BX396K2*10	037	038	279	280	
T or M49470X01476KA*	47	3	.650 (16.51)	10%	HRS513BX476K2*10	039	040	281	282	
T or M49470X01566KA*	56	1	.360 (9.14)	10%	HRS319BX566K2*20	225	226	283	284	
T or M49470X01686KA*	68	1	.480 (12.19)	10%	HRS419BX686K2*20	041	042	285	286	
T or M49470X01826KA*	82	1	.480 (12.19)	10%	HRS419BX826K2*20	043	044	287	288	
T or M49470X01107KA*	100	1	.650 (16.51)	10%	HRS519BX107K2*20	045	046	289	290	
T or M49470X01127KA*	120	2	.480 (12.19)	10%	HRS415BX127K2*15	227	228	291	292	
T or M49470X01157KA*	150	2	.650 (16.51)	10%	HRS515BX157K2*15	047	048	293	294	
T or M49470X01187KA*	180	6	.480 (12.19)	10%	HRS418BX187K2*20	049	050	295	296	
T or M49470X01227KA*	220	6	.480 (12.19)	10%	HRS418BX227K2*20	051	052	297	298	
T or M49470X01277KA*	270	6	.650 (16.51)	10%	HRS518BX277K2*20	053	054	299	300	

Blue Fill = T Level Qualified		Bold = M Level Qualified			100 VOLT (B)		K Tol.	M. Tol.	K Tol.	M Tol.
T or M49470X01684KB*	.68	5	.120 (3.05)	10%	HRS101BX684K3*3	055	056	301	302	
T or M49470X01824KB*	.82	5	.240 (6.10)	10%	HRS201BX824K3*3	057	058	303	304	
T or M49470X01105KB*	1.0	5	.240 (6.10)	10%	HRS201BX105K3*3	059	060	305	306	
T or M49470X01125KB*	1.2	5	.240 (6.10)	10%	HRS201BX125K3*3	061	062	307	308	
T or M49470X01155KB*	1.5	5	.360 (9.14)	10%	HRS301BX155K3*3	063	063	309	310	
T or M49470X01185KB*	1.8	5	.360 (9.14)	10%	HRS301BX185K3*3	065	066	311	312	
T or M49470X01225KB*	2.2	5	.480 (12.19)	10%	HRS401BX225K3*3	067	068	313	314	
T or M49470X01275KB*	2.7	5	.480 (12.19)	10%	HRS401BX275K3*3	069	070	315	316	
T or M49470X01335KB*	3.3	5	.650 (16.51)	10%	HRS501BX335K3*3	071	072	317	318	
T or M49470X01395KB*	3.9	4	.360 (9.14)	10%	HRS305BX395K3*4	073	074	319	320	
T or M49470X01475KB*	4.7	4	.360 (9.14)	10%	HRS305BX475K3*4	075	076	321	322	
T or M49470X01565KB*	5.6	4	.480 (12.19)	10%	HRS405BX565K3*4	077	078	323	324	
T or M49470X01685KB*	6.8	4	.480 (12.19)	10%	HRS405BX685K3*4	079	080	325	326	
T or M49470X01825KB*	8.2	4	.650 (16.51)	10%	HRS505BX825K3*4	081	082	327	328	
T or M49470X01106KB*	10	3	.240 (6.10)	10%	HRS213BX106K3*10	229	230	329	330	
T or M49470X01126KB*	12	3	.240 (6.10)	10%	HRS213BX126K3*10	083	084	331	332	
T or M49470X01156KB*	15	3	.360 (9.14)	10%	HRS313BX156K3*10	085	086	333	334	
T or M49470X01186KB*	18	3	.360 (9.14)	10%	HRS313BX186K3*10	087	088	335	336	
T or M49470X01226KB*	22	3	.480 (12.19)	10%	HRS413BX226K3*10	089	090	337	338	
T or M49470X01276KB*	27	3	.650 (16.51)	10%	HRS513BX276K3*10	091	092	339	340	
T or M49470X01336KB*	33	1	.360 (9.14)	10%	HRS319BX336K3*20	093	094	341	342	
T or M49470X01396KB*	39	1	.480 (12.19)	10%	HRS419BX396K3*20	095	096	343	344	
T or M49470X01476KB*	47	1	.480 (12.19)	10%	HRS419BX476K3*20	097	098	345	346	
T or M49470X01566KB*	56	1	.650 (16.51)	10%	HRS519BX566K3*20	099	100	347	348	
T or M49470X01686KB*	68	2	.480 (12.19)	10%	HRS415BX686K3*15	101	102	349	350	
T or M49470X01826KB*	82	2	.650 (16.51)	10%	HRS515BX826K3*15	103	104	351	352	
T or M49470X01107KB*	100	6	.360 (9.14)	10%	HRS318BX107K3*20	105	106	353	354	
T or M49470X01127KB*	120	6	.360 (9.14)	10%	HRS318BX127K3*20	107	108	355	356	
T or M49470X01157KB*	150	6	.480 (12.19)	10%	HRS418BX157K3*20	109	110	357	358	
T or M49470X01187KB*	180	6	.650 (16.51)	10%	HRS518BX187K3*20	111	112	359	360	



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MIL-PRF-49470 STANDARD PROFILE (BX, BR, BQ)

Cross Reference from Old
Cancelled DLA Drawing 87106

MIL-PRF-49470 (Change K to M for 20% Tolerance)	Cap μF	Case Code	Height A inches (mm)	Cap Tol. 10%	Presidio Part Number (Change K to M for 20% Tolerance)	87106-xxx N-Lead		87106-xxx J-Lead	
Blue Fill = T Level Qualified					200 VOLT (C)	K Tol.	M Tol.	K Tol.	M Tol.
BR									
T or M49470R01474KC*	.47	5	.240 (6.10)	10%	HRS201BR474K4*3	113	114	361	362
T or M49470R01564KC*	.56	5	.240 (6.10)	10%	HRS201BR564K4*3	115	116	363	364
T or M49470R01684KC*	.68	5	.360 (9.14)	10%	HRS301BR684K4*3	117	118	365	366
T or M49470R01824KC*	.82	5	.360 (9.14)	10%	HRS301BR824K4*3	119	120	367	368
T or M49470R01105KC*	1.0	5	.480 (12.19)	10%	HRS401BR105K4*3	121	122	369	370
T or M49470R01125KC*	1.2	5	.480 (12.19)	10%	HRS401BR125K4*3	123	124	371	372
T or M49470R01155KC*	1.5	5	.650 (16.51)	10%	HRS501BR155K4*3	125	126	373	374
T or M49470R01185KC*	1.8	4	.360 (9.14)	10%	HRS305BR185K4*4	127	128	375	376
T or M49470R01225KC*	2.2	4	.360 (9.14)	10%	HRS305BR225K4*4	129	130	377	378
T or M49470R01275KC*	2.7	4	.480 (12.19)	10%	HRS405BR275K4*4	131	132	379	380
T or M49470R01335KC*	3.3	4	.480 (12.19)	10%	HRS405BR335K4*4	133	134	381	382
T or M49470R01395KC*	3.9	4	.650 (16.51)	10%	HRS505BR395K4*4	135	136	383	384
T or M49470R01475KC*	4.7	3	.240 (6.10)	10%	HRS213BR475K4*10	137	138	385	386
T or M49470R01565KC*	5.6	3	.240 (6.10)	10%	HRS213BR565K4*10	139	140	387	388
T or M49470R01685KC*	6.8	3	.360 (9.14)	10%	HRS213BR685K4*10	141	142	389	390
T or M49470R01825KC*	8.2	3	.360 (9.14)	10%	HRS313BR825K4*10	143	144	391	392
T or M49470R01106KC*	10	3	.480 (12.19)	10%	HRS413BR106K4*10	145	146	393	394
T or M49470R01126KC*	12	3	.650 (16.51)	10%	HRS513BR126K4*10	147	148	395	396
T or M49470R01156KC*	15	1	.360 (9.14)	10%	HRS319BR156K4*20	149	150	397	398
T or M49470R01186KC*	18	1	.480 (12.19)	10%	HRS419BR186K4*20	151	152	399	400
T or M49470R01226KC*	22	1	.650 (16.51)	10%	HRS519BR226K4*20	153	154	401	402
T or M49470R01276KC*	27	1	.650 (16.51)	10%	HRS519BR276K4*20	155	156	403	404
T or M49470R01336KC*	33	2	.480 (12.19)	10%	HRS415BR336K4*15	157	158	405	406
T or M49470R01396KC*	39	2	.650 (16.51)	10%	HRS415BR396K4*15	159	160	407	408
T or M49470R01476KC*	47	6	.240 (6.10)	10%	HRS218BR476K4*20	161	162	409	410
T or M49470R01566KC*	56	6	.360 (9.14)	10%	HRS318BR566K4*20	163	164	411	412
T or M49470R01686KC*	68	6	.360 (9.14)	10%	HRS318BR686K4*20	165	166	413	414
T or M49470R01826KC*	82	6	.480 (12.19)	10%	HRS418BR826K4*20	167	168	415	416
T or M49470R01107KC*	100	6	.650 (16.51)	10%	HRS518BR107K4*20	169	170	417	418
T or M49470R01127KC*	120	6	.650 (16.51)	10%	HRS518BR127K4*20	171	172	419	420
Blue Fill = T Level Qualified					500 VOLT (E)	K Tol.	M. Tol.	K Tol.	M Tol.
BQ									
T or M49470Q01154KE*	.15	5	.120 (3.05)	10%	HRS101BQ154K6*3	173	174	421	422
T or M49470Q01184KE*	.18	5	.240 (6.10)	10%	HRS201BQ184K6*3	175	176	423	424
T or M49470Q01224KE*	.22	5	.240 (6.10)	10%	HRS201BQ224K6*3	177	178	425	426
T or M49470Q01274KE*	.27	5	.240 (6.10)	10%	HRS201BQ274K6*3	179	180	427	428
T or M49470Q01334KE*	.33	5	.360 (9.14)	10%	HRS301BQ334K6*3	181	182	429	430
T or M49470Q01394KE*	.39	5	.360 (9.14)	10%	HRS301BQ394K6*3	183	184	431	432
T or M49470Q01474KE*	.47	5	.360 (9.14)	10%	HRS301BQ474K6*3	185	186	433	434
T or M49470Q01564KE*	.56	5	.480 (12.19)	10%	HRS401BQ564K6*3	187	188	435	436
T or M49470Q01684KE*	.68	5	.650 (16.51)	10%	HRS501BQ684K6*3	189	190	437	438
T or M49470Q01824KE*	.82	4	.360 (9.14)	10%	HRS305BQ824K6*4	231	232	439	440
T or M49470Q01105KE*	1.0	4	.360 (9.14)	10%	HRS305BQ105K6*4	191	192	441	442
T or M49470Q01125KE*	1.2	4	.360 (9.14)	10%	HRS305BQ125K6*4	193	194	443	444
T or M49470Q01155KE*	1.5	4	.480 (12.19)	10%	HRS405BQ155K6*4	195	196	445	446
T or M49470Q01185KE*	1.8	4	.650 (16.51)	10%	HRS505BQ185K6*4	197	198	447	448
T or M49470Q01225KE*	2.2	3	.240 (6.10)	10%	HRS213BQ225K6*10	233	234	449	450
T or M49470Q01275KE*	2.7	3	.360 (9.14)	10%	HRS313BQ275K6*10	199	200	451	452
T or M49470Q01335KE*	3.3	3	.360 (9.14)	10%	HRS313BQ335K6*10	201	202	453	454
T or M49470Q01395KE*	3.9	3	.360 (9.14)	10%	HRS313BQ395K6*10	203	204	455	456
T or M49470Q01475KE*	4.7	3	.480 (12.19)	10%	HRS413BQ475K6*10	205	206	457	458
T or M49470Q01565KE*	5.6	3	.650 (16.51)	10%	HRS513BQ565K6*10	207	208	459	460
T or M49470Q01685KE*	6.8	1	.480 (12.19)	10%	HRS419BQ685K6*20	235	236	461	462
T or M49470Q01825KE*	8.2	1	.480 (12.19)	10%	HRS419BQ825K6*20	209	210	463	464
T or M49470Q01106KE*	10	1	.480 (12.19)	10%	HRS419BQ106K6*20	211	212	465	466
T or M49470Q01126KE*	12	1	.650 (16.51)	10%	HRS519BQ126K6*20	213	214	467	468
T or M49470Q01156KE*	15	2	.650 (16.51)	10%	HRS515BQ156K6*15	237	238	469	470
T or M49470Q01186KE*	18	2	.650 (16.51)	10%	HRS415BQ186K6*15	215	216	471	472
T or M49470Q01226KE*	22	6	.360 (9.14)	10%	HRS318BQ226K6*20	239	240	473	474
T or M49470Q01276KE*	27	6	.360 (9.14)	10%	HRS318BQ276K6*20	217	218	475	476
T or M49470Q01336KE*	33	6	.480 (12.19)	10%	HRS418BQ336K6*20	219	220	477	478
T or M49470Q01396KE*	39	6	.650 (16.51)	10%	HRS418BQ396K6*20	221	222	479	480

Note 1: Asterisk (*) refers to lead style N through K; consult factory or DLA website for qualification status.

Note 2: Parts can also be ordered with 20% cap tolerance; include "M" in the Presidio part number. Example: HRS313BQ335M6*10

MIL-PRF-49470 QPL STANDARD PROFILE PART NUMBER

T49470

Product Level
for Level B, use M
for Level T, use T

Q

Dielectric
Characteristic
(X, R, Q)
See page 10

01

Performance
Specification
Slash Sheet Number
Indicating
MIL-PRF-49470/1&2

186

Capacitance
Value (in picofarads):
Two significant figures
followed by the number of
zeros. Examples:
103 = 10,000 pF = .01 μF
186 = 18,000,000 pF = 18 μF

K

Capacitance
Tolerance
K = 10%
M = 20%

E

Rated Voltage
(Z, A, B, C, E)

N

Lead
Configuration
(N, L, M, J, K)

