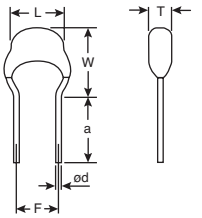
TDK MLCC Ceramic Capacitors

RoHS Compliant This product is RoHS compliant.

TDK DIPPED RADIAL CERAMIC CAPACITORS (CONT.)

Features:

- Due to the technological progress in creating thinner layers of ceramic dielectric and achieving multilayer lamination, this product provides large electrostatic capacity.
- It maintains a high level of reliability under specified environmental conditions.
- Its residual inductance is small and it provides good frequency characteristics.
- The leads are formed with a "kink" to achieve consistent insertion heights and facilitate the release of gases during soldering for dramatically improved solderability.
- Also available are products that meet taping specifications for automatic insertions, which contribute to reducing on-board costs.



Type	DIMENSIONS: mm					
	L max.	W max.	T max.	F	a	ød
FK18	4.0	5.5	2.5	2.5±0.8	5+3,-1	0.5+0.1,-0.03
FK14	4.5	5.5	2.5	2.5±0.8	5+3,-1	0.5+0.1,-0.03
FK16	5.5	6.0	3.5	2.5±0.8	5+3,-1	0.5+0.1,-0.03

FK14 Series (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Value (pF)	Volt. (Vdc)	Tol. (%)	Price Each 1	50	100	500	1000
Temperature Coef: X7R (Cont.)									
810	FK14X7R1H105K	1µF	50	10%	.21	.161	.146	.133	.122
810	FK14X7R1C155K	1.5µF	16	10%	.36	.26	.19	.152	.106
810	FK14X7R1E155K	1.5µF	25	10%	.38	.28	.20	.16	.112
810	FK14X7R1C225K	2.2µF	16	10%	.35	.25	.185	.148	.103
810	FK14X7R1E225K	2.2µF	25	10%	.15	.112	.102	.093	.086
810	FK14X7R1C335K	3.3µF	16	10%	.25	.194	.176	.16	.147
810	FK14X7R1E335K	3.3µF	25	10%	.25	.194	.176	.16	.147
810	FK14X7R1C475K	4.7µF	16	10%	.25	.194	.176	.16	.147
810	FK14X7R1E475K	4.7µF	25	10%	.25	.194	.176	.16	.147
810	FK14X7R0J685K	6.8µF	6.3	10%	.30	.227	.206	.187	.172
810	FK14X7R0J106K	10µF	6.3	10%	.33	.257	.234	.213	.196
810	FK14X7R0J106M	10µF	6.3	20%	.33	.257	.234	.213	.196
Temperature Coef: X7S									
810	FK14X7S2A154K	.15µF	100	10%	.30	.227	.206	.187	.172
810	FK14X7S2A224K	.22µF	100	10%	.30	.227	.206	.187	.172
810	FK14X7S2A334K	.33µF	100	10%	.30	.227	.206	.187	.172
810	FK14X7S2A474K	.47µF	100	10%	.30	.227	.206	.187	.172
810	FK14X7S2A684K	.68µF	100	10%	.30	.227	.206	.187	.172
810	FK14X7S2A105K	1µF	100	10%	.30	.227	.206	.187	.172
Temperature Coef: Y5V									
810	FK14Y5V1H474Z	.47µF	50	+80,-20%	.24	.18	.13	.104	.072
810	FK14Y5V1H105Z	1.0µF	50	+80,-20%	.25	.18	.135	.108	.075
810	FK14Y5V1H225Z	2.2µF	50	+80, –20%	.26	.202	.184	.167	.154
810	FK14Y5V1E225Z	2.2µF	25	+80,-20%	.25	.18	.135	.108	.075
810	FK14Y5V1E475Z	4.7µF	25	+80, –20%	.30	.227	.206	.187	.172
810	FK14Y5V1C475Z	4.7µF	16	+80,-20%	.28	.21	.15	.12	.084
810	FK14Y5V1C106Z	10µF	16	+80, –20%	.33	.257	.234	.213	.196
810	FK14Y5V1A106Z	10µF	10	+80,-20%	.30	.22	.162	.13	.091
810	FK14Y5V0J226Z	22µF	6.3	+80,-20%	.52	.38	.275	.20	.154

FK16 Series (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Value (pF)	Volt. (Vdc)	Tol. (%)	Price Each 1	50	100	500	1000
Temperature Coef: C0G									
810	FK16C0G2A392J	3900	100	5%	.25	.194	.176	.16	.147
810	FK16C0G1H472J	4700	50	5%	.33	.257	.234	.213	.196
810	FK16C0G2A472J	4700	100	5%	.25	.194	.176	.16	.147
810	FK16C0G1H562J	5600	50	5%	.33	.257	.234	.213	.196
810	FK16C0G2A562J	5600	100	5%	.25	.194	.176	.16	.147
810	FK16C0G1H682J	6800	50	5%	.33	.257	.234	.213	.196
810	FK16C0G2A682J	6800	100	5%	.30	.227	.206	.187	.172
810	FK16C0G1H822J	8200	50	5%	.33	.257	.234	.213	.196
810	FK16C0G2A822J	8200	100	5%	.30	.227	.206	.187	.172
810	FK16C0G1H103J	.01µF	50	5%	.33	.257	.234	.213	.196
810	FK16C0G2A103J	.01µF	100	5%	.30	.227	.206	.187	.172
810	FK16C0G1H153J	.015µF	50	5%	.57	.42	.30	.24	.168
810	FK16C0G1H223J	.022µF	50	5%	.57	.42	.30	.24	.168
810	FK16C0G1H333J	.033µF	50	5%	.71	.52	.375	.30	.21
810	FK16C0G1H473J	.047µF	50	5%	.50	.387	.352	.32	.294
810	FK16C0G1H683J	.068µF	50	5%	.50	.387	.352	.32	.294
810	FK16C0G1H104J	.1µF	50	5%	.63	.484	.44	.40	.368
Temperature Coef: X5R									
810	FK16X5R1H105K	1µF	50	10%	.42	.323	.294	.267	.246
810	FK16X5R1E155K	1.5µF	25	10%	.15	.112	.102	.093	.086
810	FK16X5R1E225K	2.2µF	25	10%	.42	.323	.294	.267	.246
810	FK16X5R1C335K	3.3µF	16	10%	.41	.30	.22	.176	.122
810	FK16X5R1E335K	3.3µF	25	10%	.42	.323	.294	.267	.246
810	FK16X5R1C475K	4.7µF	16	10%	.43	.32	.23	.17	.128
810	FK16X5R1E475K	4.7µF	25	10%	.42	.323	.294	.267	.246
810	FK16X5R0J685K	6.8µF	6.3	10%	.57	.42	.30	.24	.168
810	FK16X5R1A685K	6.8µF	10	10%	.57	.42	.30	.24	.168
810	FK16X5R1C685K	6.8µF	16	10%	.46	.354	.322	.293	.27
810	FK16X5R0J106K	10µF	6.3	10%	.61	.38	.325	.27	.189
810	FK16X5R0J106M	10µF	6.3	20%	.61	.38	.325	.27	.189
810	FK16X5R1A106K	10µF	10	10%	.61	.38	.325	.27	.189
810	FK16X5R1A106M	10µF	10	20%	.61	.38	.325	.27	.189
810	FK16X5R1C106K	10µF	16	10%	.46	.354	.322	.293	.27
810	FK16X5R1C106M	10µF	16	20%	.46	.354	.322	.293	.27
810	FK16X5R0J156M	15µF	6.3	20%	.76	.56	.40	.32	.224
810	FK16X5R0J226M	22µF	6.3	20%	.83	.55	.437	.31	.245
810	FK16X5R0J336M	33µF	6.3	20%	.46	.354	.322	.293	.27
810	FK16X5R0J476M	47µF	6.3	20%	.50	.387	.352	.32	.294
Temperature Coef: X7R									
810	FK16X7R2A333K	.033µF	100	10%	.21	.161	.146	.133	.122
810	FK16X7R2A473K	.047µF	100	10%	.21	.161	.146	.133	.122
810	FK16X7R2A683K	.068µF	100	10%	.23	.178	.162	.147	.135
810	FK16X7R2A104K	.1µF	100	10%	.23	.178	.162	.147	.135
810	FK16X7R2A154K	.15µF	100	10%	.25	.194	.176	.16	.147

FK16 Series (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Value (pF)	Volt. (Vdc)	Tol. (%)	Price Each 1	50	100	500	1000
Temperature Coef: X7R (Cont.)									
810	FK16X7R2A224K	.22µF	100	10%	.25	.194	.176	.16	.147
810	FK16X7R2A334K	.33µF	100	10%	.33	.257	.234	.213	.196
810	FK16X7R1H474K	.47µF	50	10%	.37	.27	.195	.18	.109
810	FK16X7R2A474K	.47µF	100	10%	.38	.29	.264	.24	.221
810	FK16X7R1E684K	.68µF	25	10%	.38	.28	.20	.16	.112
810	FK16X7R1H684K	.68µF	50	10%	.23	.178	.162	.147	.135
810	FK16X7R2A684K	.68µF	100	10%	.42	.323	.294	.267	.246
810	FK16X7R1E105K	1.0µF	25	10%	.40	.29	.212	.15	.119
810	FK16X7R1H105K	1µF	50	10%	.30	.227	.206	.187	.172
810	FK16X7R2A105K	1µF	100	10%	.42	.323	.294	.267	.246
810	FK16X7R1E155K	1.5µF	25	10%	.42	.31	.225	.18	.126
810	FK16X7R1H155K	1.5µF	50	10%	.33	.257	.234	.213	.196
810	FK16X7R1E225K	2.2µF	25	10%	.45	.33	.237	.21	.133
810	FK16X7R1H225K	2.2µF	50	10%	.42	.323	.294	.267	.246
810	FK16X7R1C335K	3.3µF	16	10%	.41	.30	.22	.176	.122
810	FK16X7R1E335K	3.3µF	25	10%	.30	.227	.206	.187	.172
810	FK16X7R1C475K	4.7µF	16	10%	.43	.32	.23	.17	.128
810	FK16X7R1E475K	4.7µF	25	10%	.33	.257	.234	.213	.196
810	FK16X7R1C685K	6.8µF	16	10%	.30	.227	.206	.187	.172
810	FK16X7R1E685K	6.8µF	25	10%	.50	.387	.352	.32	.294
810	FK16X7R1C106K	10µF	16	10%	.30	.227	.206	.187	.172
810	FK16X7R1C106M	10µF	16	20%	.30	.227	.206	.187	.172
810	FK16X7R1E106K	10µF	25	10%	.50	.387	.352	.32	.294
810	FK16X7R1E106M	10µF	25	20%	.50	.387	.352	.32	.294
Temperature Coef: X7S									
810	FK16X7S2A155K	1.5µF	100	10%	.50	.387	.352	.32	.294
810	FK16X7S2A225K	2.2µF	100	10%	.81	.624	.567	.515	.474
Temperature Coef: Y5V									
810	FK16Y5V1H225Z	2.2µF	50	+80,-20%	.35	.25	.185	.148	.103
810	FK16Y5V1E475Z	4.7µF	25	+80,-20%	.35	.25	.185	.148	.103
810	FK16Y5V1H475Z	4.7µF	50	+80, –20%	.42	.323	.294	.267	.246
810	FK16Y5V1C106Z	10µF	16	+80,-20%	.40	.29	.21	.15	.117
810	FK16Y5V1E106Z	10µF	25	+80, –20%	.42	.323	.294	.267	.246
810	FK16Y5V1A226Z	22µF	10	+80,-20%	.52	.38	.275	.20	.154
810	FK16Y5V1C226Z	22µF	16	+80, –20%	.42	.323	.294	.267	.246
810	FK16Y5V0J476Z	47µF	6.3	+80,-20%	.64	.47	.337	.27	.189

FK18 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Value (pF)	Volt. (Vdc)	Tol. (%)	Price Each 1	50	100	500	1000
Temperature Coef: C0G									
810	FK18C0G1H010C	1	50	.25pF	.13	.097	.088	.08	.074
810	FK18C0G1H1R5C	1.5	50	.25pF	.13	.097	.088	.08	.074
810	FK18C0G1H020C	2	50	.25pF	.13	.097	.088	.08	.074
810	FK18C0G1H2R2C	2.2	50	.25pF	.13	.097	.088	.08	.074
810	FK18C0G1H030C	3	50	.25pF	.13	.097	.088	.08	.074
810	FK18C0G1H3R3C	3.3	50	.25pF	.13	.097	.088	.08	.074
810	FK18C0G1H040C	4	50	.25pF	.13	.097	.088	.08	.074
810	FK18C0G1H4R7C	4.7	50	.25pF	.13	.097	.088	.08	.074
810	FK18C0G1H050C	5	50	.25pF	.13	.097	.088	.08	.074
810	FK18C0G1H060D	6	50	.5pF	.13	.097	.088	.08	.074
810	FK18C0G1H6R8D	6.8	50	.5pF	.13	.097	.088	.08	.074
810	FK18C0G1H070D	7	50	.5pF	.13	.097	.088	.08	.074
810	FK18C0G1H080D	8	50	.5pF	.13	.097	.088	.08	.074
810	FK18C0G1H090D	9	50	.5pF	.13	.097	.088	.08	.074
810	FK18C0G1H100D	10	50	5%	.20	.14	.105	.084	.058
810	FK18C0G1H120J	12	50	5%	.20	.14	.105	.084	.058
810	FK18C0G1H150J	15	50	5%	.20	.14	.105	.084	.058
810	FK18C0G1H180J	18	50	5%	.20	.14	.105	.084	.058
810	FK18C0G1H220J	22	50	5%	.20	.14	.105	.084	.058
810	FK18C0G1H270J	27	50	5%	.20	.14	.105	.084	.058
810	FK18C0G1H330J	33	50	5%	.20	.14	.105	.084	.058
810	FK18C0G1H390J	39	50	5%	.20	.14	.105	.084	.058
810	FK18C0G1H470J	47	50	5%	.20	.14	.105	.084	.058
810	FK18C0G1H560J	56	50	5%	.20	.14	.105	.084	.058
810	FK18C0G1H680J	68	50	5%	.20	.14	.105	.084	.058
810	FK18C0G1H820J	82	50	5%	.20	.14	.105	.084	.058
810	FK18C0G2A101J	100	100	5%	.21	.15	.11	.088	.061
810	FK18C0G2E101J	100	250	5%	.22	.16	.12	.096	.067
810	FK18C0G1H101J	100	50	5%	.20	.14	.105	.084	.058
810	FK18C0G2A121J	120	100	5%	.21	.16	.115	.092	.064
810	FK18C0G2E121J	120	250	5%	.23	.17	.125	.10	.07
810	FK18C0G1H121J	120	50	5%	.21	.15	.112	.09	.063
810	FK18C0G2A151J	150	100	5%	.21	.16	.115	.092	.064
810	FK18C0G2E151J	150	250	5%	.23	.17	.125	.10	.07
810	FK18C0G1H151J	150	50	5%	.21	.15	.112	.09	.063
810	FK18C0G2A181J	180	100	5%	.21	.16	.115	.092	.064
810	FK18C0G2E181J	180	250	5%	.23	.17	.125	.10	.07