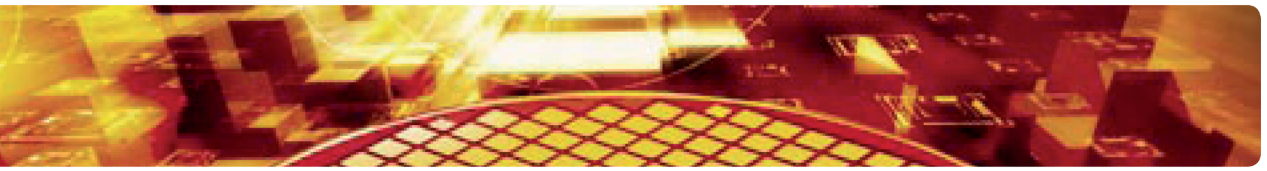
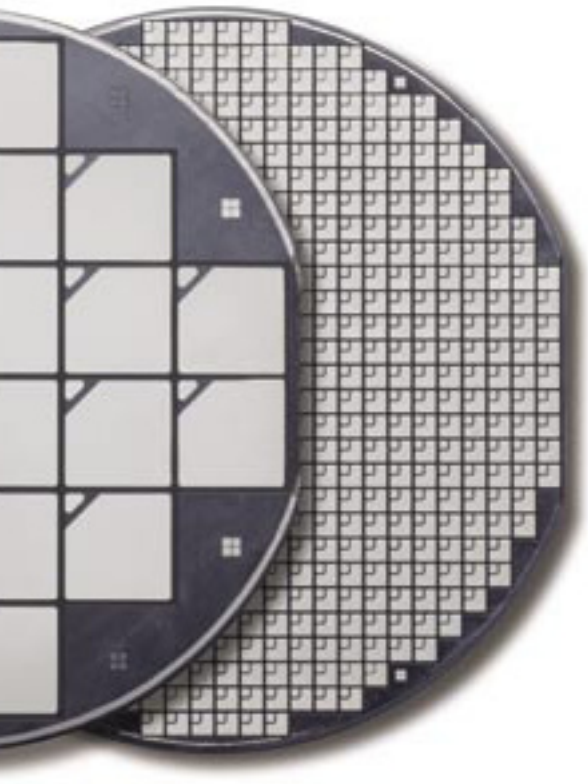
cynergy3 components™

series CCT
Triac Die





Features

- *Glass Passivated Junction Protection for Superior Blocking Voltage and Stability*
- *1200V Capability (CCT...P Type)*
- *Superior Commutating Performance at High Temperature*

Applications

- *Solid State Relays*
- *Discrete Semiconductors*
- *Light Dimming*
- *Heat Regulation*
- *Motor Controls*

L Type - Electrical Ratings

Part Number	Description	$I_{T(AV)}$①	V_{TM}@ I_T②		V_{DRM} / V_{RRM}③ (V)	I_{GT}② (mA)	Ih (mA)	I_{TSM} (10ms)	Min. dv/dt (V/us)
CCT20L-04/08	Triac, Die, 12A	22	1.55	17	400 -800	50	100	120	500
CCT22L-04/08	Triac, Die, 16A	16	1.55	22	400 -800	50	100	160	500
CCT26L-04/08	Triac, Die, 25A	25	1.55	35	400 -800	50	100	250	500
CCT30L-04/08	Triac, Die, 35A	40	1.55	60	400 -800	50	100	380	500
CCT36L-04/08	Triac, Die, 45A	55	1.55	70	400 -800	50	100	480	500

P Type - Electrical Ratings

Part Number	Description	$I_{T(AV)}$①	V_{TM}@ I_T②		V_{DRM} / V_{RRM}③ (V)	I_{GT}② (mA)	Ih (mA)	I_{TSM} (10ms)	Min. dv/dt (V/us)
CCT24P-08/12	Triac, Die, 16A	16	1.60	22	800 -1200	50	100	160	500
CCT36P-08/12	Triac, Die, 40A	55	1.60	70	800 -1200	50	100	480	500
CCT38P-08/12	Triac, Die, 50A	75	1.60	100	800 -1200	50	100	600	500

① T_j = 130°C, T_C = 80°C. Rated values depend on assembly materials and conditions. Assemblies must be void-free and have sufficient heat sinking to achieve maximum ratings.

② 25°C

③ Part number suffix, 04=400V, 06=600V, 8=800V (L Type Only)

④ Part number suffix, 08=800V, 10=1000V, 12=1200V (P Type Only)

Part Numbering

Examples:

Series	Voltage
CCT26L	-06 = 600V
CCT24P	-12 = 1200V

General Note:

Metallization - CR:Ni:Ag

Aluminum Metalization Available - Contact Factory

ISO9001 CERTIFIED

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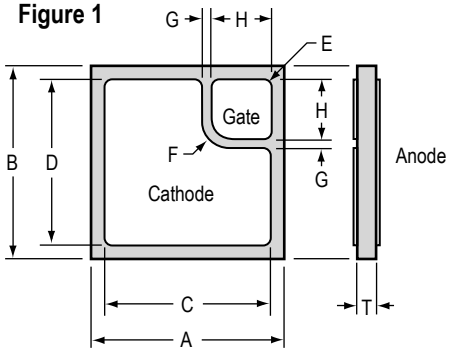
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Dimensions

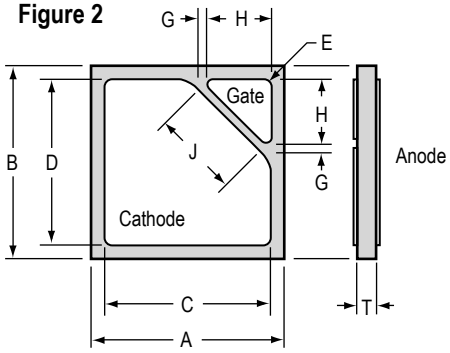
Figure 1



Dimensions in inches

Series Type	A	B	C	D	E	F	G	H	J	Thickness	
CCT20L	0.130	0.130	0.110	0.110	0.004	0.020	0.011	0.041	-	0.010	Fig. 1
CCT22L	0.150	0.150	0.130	0.130	0.004	0.020	0.014	0.039	-	0.010	Fig. 1
CCT26L	0.175	0.175	0.155	0.155	0.004	0.020	0.014	0.039	-	0.010	Fig. 1
CCT30L	0.200	0.200	0.195	0.195	0.015	0.015	0.014	0.040	-	0.010	Fig. 1
CCT36L	0.250	0.250	0.233	0.233	0.020	0.020	0.010	0.062	-	0.010	Fig. 1
CCT24P	0.160	0.160	0.130	0.130	0.012	0.020	0.015	0.040	-	0.014	Fig. 1
CCT36P	0.250	0.250	0.233	0.233	0.020	0.020	0.010	0.062	-	0.014	Fig. 1
CCT38P	0.280	0.280	0.250	0.250	0.015	-	0.019	0.079	0.108	0.014	Fig. 2

Figure 2



Dimensions in mm

Series Type	A	B	C	D	E	F	G	H	J	Thickness	
CCT20L	3.30	3.30	2.79	2.79	0.010	0.51	0.28	1.04	-	0.25	Fig. 1
CCT22L	3.81	3.81	0.130	0.130	0.010	0.51	0.36	0.99	-	0.25	Fig. 1
CCT26L	4.45	4.45	0.155	0.155	0.010	0.51	0.36	0.99	-	0.25	Fig. 1
CCT30L	5.08	5.08	0.195	0.195	0.038	0.38	0.36	1.00	-	0.25	Fig. 1
CCT36L	6.35	6.35	0.233	0.233	0.051	0.51	0.25	1.57	-	0.25	Fig. 1
CCT24P	4.06	4.06	0.130	0.130	0.30	0.51	0.37	1.00	-	0.35	Fig. 1
CCT36P	6.35	6.35	0.233	0.233	0.51	0.51	0.25	1.57	-	0.35	Fig. 1
CCT38P	7.11	7.11	0.250	0.250	0.38	-	0.48	2.01	2.74	0.35	Fig. 2

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