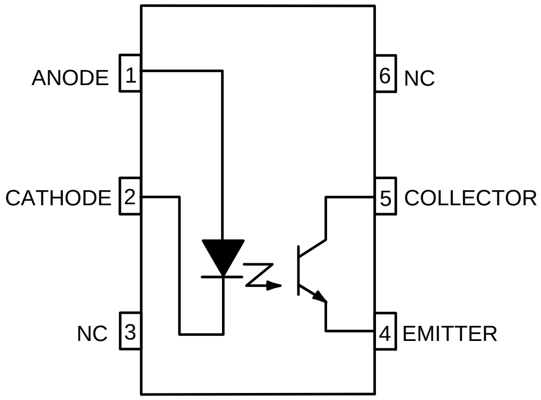

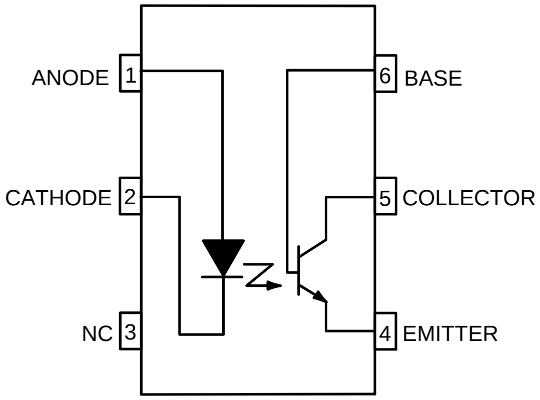

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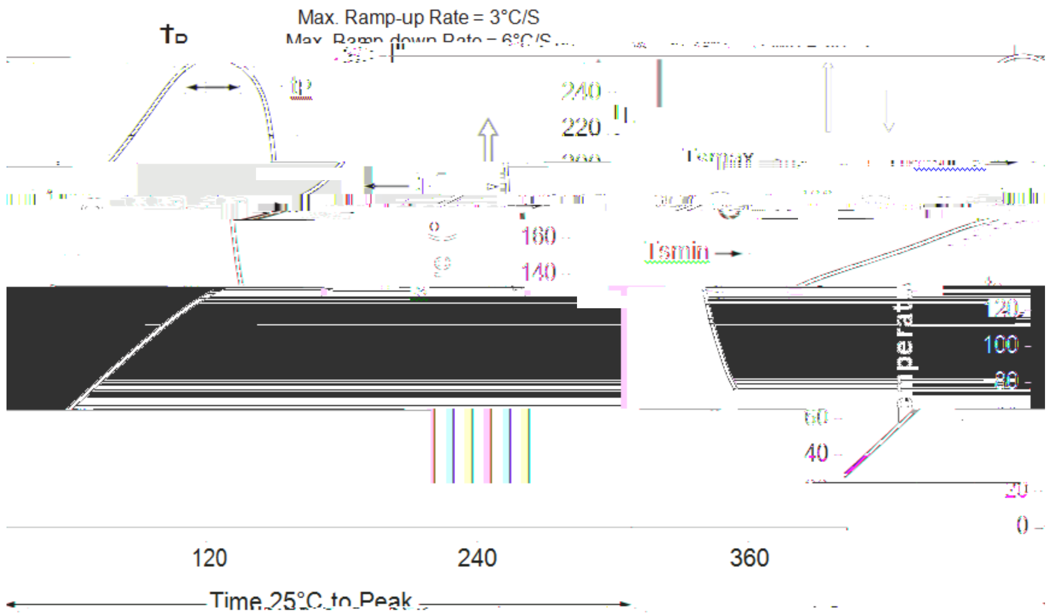
Installation Classifications per DIN VDE 0110/1.89 Table 1, For Rated Mains Voltage	< 150 V_{RMS}	I–IV
	< 300 V_{RMS}	I–IV
Climatic Classification		55/100/21
Pollution Degree (DIN VDE 0110/1.89)		2
Comparative Tracking Index		175

V_{PR}	Input−to−Output Test Voltage, Method A, V_{IORM} x 1.6 = V_{PR}, Type and Sample Test with t_m = 10 s, Partial Discharge < 5 pC	1360	Vpeak
	Input−to−Output Test Voltage, Method B, V_{IORM} x 1.875 = V_{PR}, ïto−		

T_{STG}	Storage Temperature	−40 to +125	C
T_A	Ambient Operating Temperature	−40 to +100	C
T_J	Junction Temperature	−40 to +125	C
T_{SOL}	Lead Solder Temperature	260 for 10 seconds	C
P_D	Total Device Power Dissipation @ 25 C (LED plus detector) Derate Linearly From 25 C	270	mW
		2.94	mW/ C

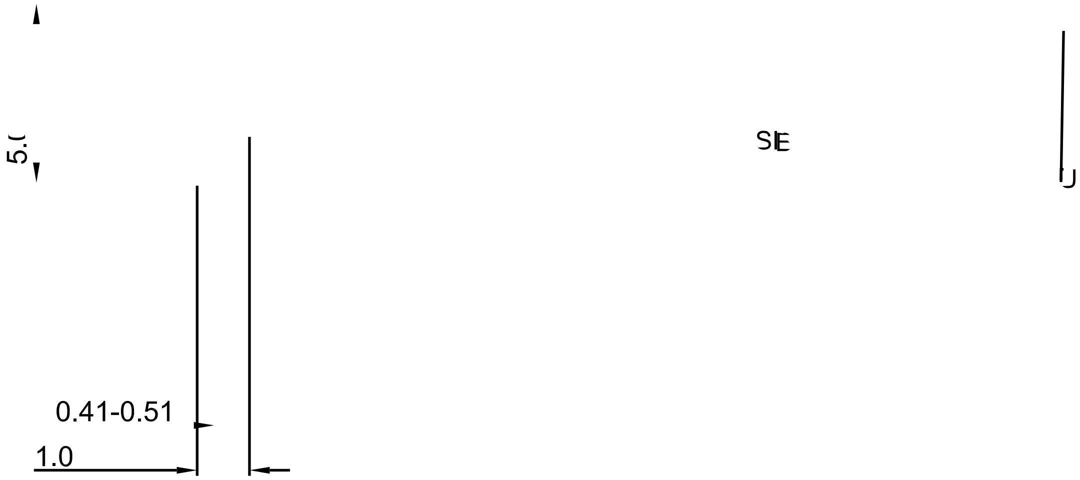
I_F	Continuous Forward Current	60	mA
V_R	Reverse Voltage	6	V
I_F (pk)	Forward Current – Peak (1 μs pulse, 300 pps)	1.5	A
P_D	LED Power Dissipation 25 C Ambient Derate Linearly From 25 C	120	mW
		1.41	mW/ C

I_C	Continuous Collector Current	50	mA
V_{CEO}	Collector−Emitter Voltage	70	V



fi	– fi
Temperature Min. (Tsmin)	150°C
Temperature Max. (Tsmax)	200°C
Time (t_S) from (Tsmin to Tsmax)	60–120 seconds
Ramp – up Rate (t to t_P)	3°C/second max.
Liquidous Temperature (T_L)	217°C
Time (t_L) Maintained Above (T_L)	60–150 seconds
Peak Body Package Temperature	260°C +0°C / –5°C
Time (t_P) within 5°C of 260°C	30 seconds
Ramp – down Rate (T_P to T_L)	6°C / second max.
Time 25°C to Peak Temperature	8 minutes max.

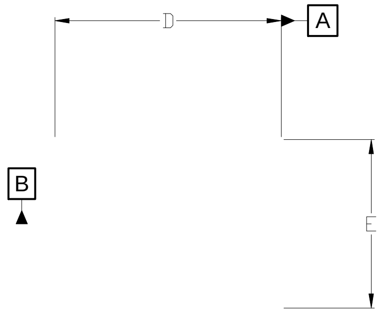
		†
CNY171M	DIP 6−Pin	Tube (50 Units)
CNY171SM	SMT 6−Pin (Lead Bend)	Tube (50 Units)
CNY171SR2M	SMT 6−Pin (Lead Bend)	Tape and Reel (1000 Units)
CNY171TM	DIP 6−Pin, 0.4” Lead Spacing	Tube (50 Units)
CNY171VM	DIP 6−Pin, DIN EN/IEC60747−5−5 Option	Tube (50 Units)
CNY171SVM		


5.
SE
0.41-0.51
1.0

PDIP6 8.51x6.35, 2.54P

CASE 646BY
ISSUE A

DATE 15 JUL 2019



TOP VIEW

ALL DIMENSIONS ARE IN MILLIMETERS.

C) DIM[redacted]