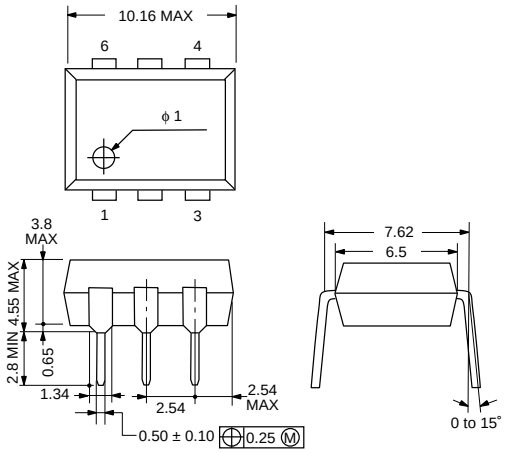
ABSOLUTE MAXIMUM RATINGS[1] (T_A = 25°C)

SYMBOLS	PARAMETERS	UNITS	RATINGS
Diode			
I_F	Forward Current (DC)	mA	80
P_D	Power Dissipation	mW	150
$I_{F\ (Peak)}$	Peak Forward Current PW = 100 µs, Duty Cycle 1%	A	1
Transistor			
V_{CEO}	Collector to Emitter Voltage	V	40
V_{ECO}	Emitter to Collector Voltage	V	6
I_C	Collector Current	mA	200
P_C	Power Dissipation	mW	200
Coupled			
BV	Isolation Voltage[2]	$V_{r.m.s.}$	5000
T_{STG}	Storage Temperature	°C	-55 to +150
T_{OP}	Operating Temperature	°C	-55 to +100

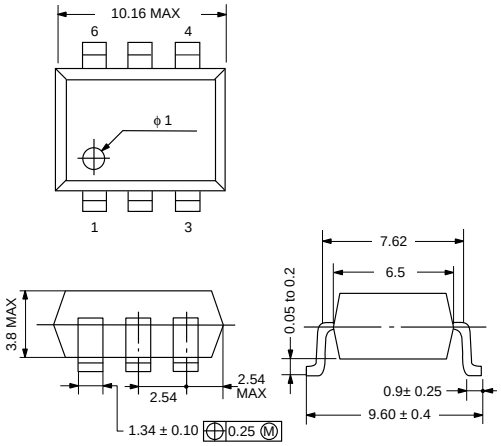
Notes:
1. Operation in excess of any one of these parameters may result in permanent damage.
2. AC voltage for 1 minute at T_A = 25 °C, RH = 60 % between input (Pins No. 1, 2, 3 Common) and output (Pins No. 4, 5, 6 Common).

OUTLINE DIMENSIONS (Units in mm)

PS2607, PS2608

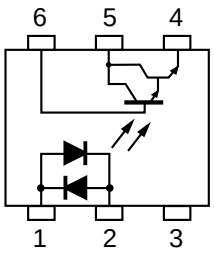


PS2607L, PS2608L



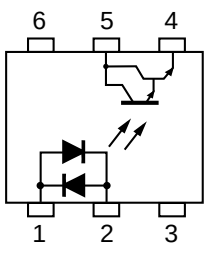
PIN CONNECTIONS (Top View)

PS2607, PS2607L



1. Anode, Cathode
2. Cathode, Anode
3. NC
4. Emitter
5. Collector
6. Base

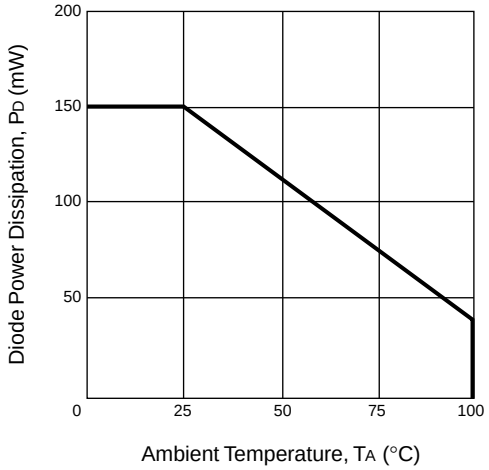
PS2608, PS2608L



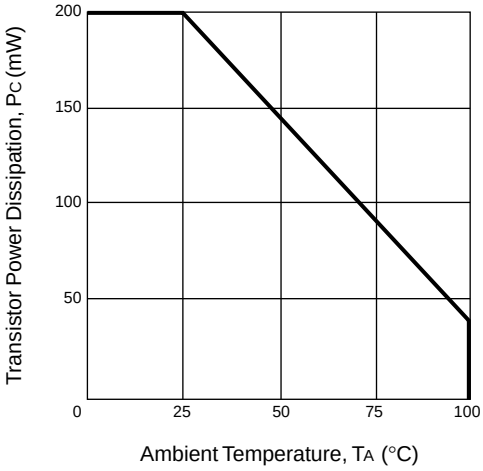
1. Anode, Cathode
2. Cathode, Anode
3. NC
4. Emitter
5. Collector
6. NC

TYPICAL PERFORMANCE CURVES (T_A = 25 °C)

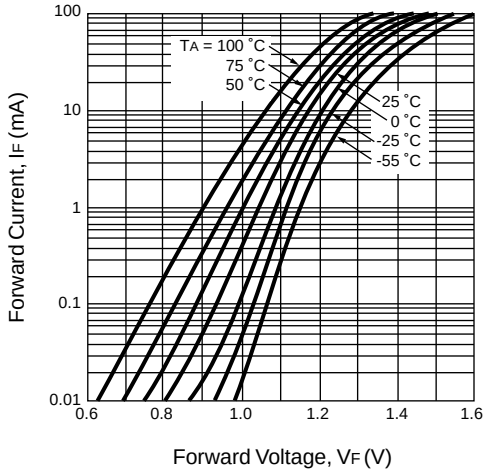
DIODE POWER DISSIPATION vs. AMBIENT TEMPERATURE



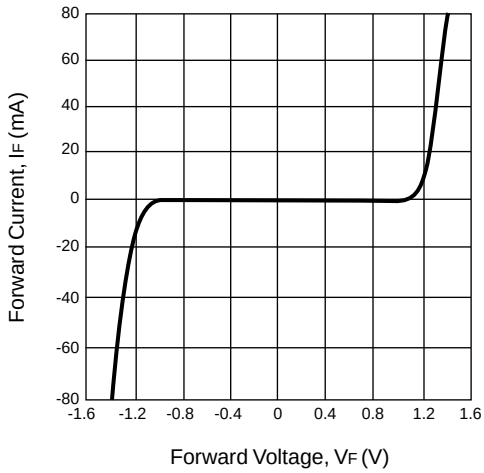
TRANSISTOR POWER DISSIPATION vs. AMBIENT TEMPERATURE



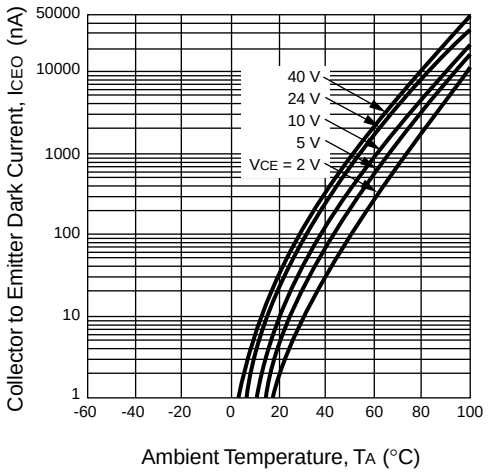
FORWARD CURRENT vs. FORWARD VOLTAGE



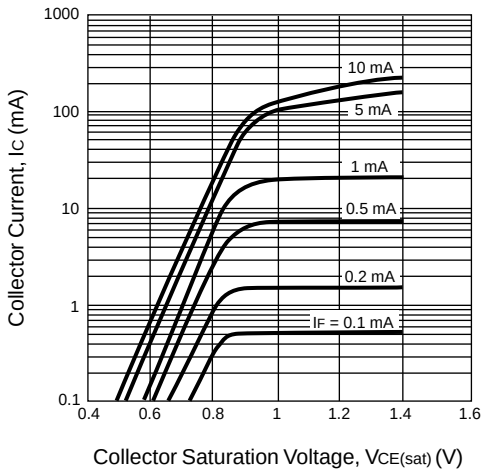
FORWARD CURRENT vs. FORWARD VOLTAGE



COLLECTOR TO EMITTER DARK CURRENT vs. AMBIENT TEMPERATURE

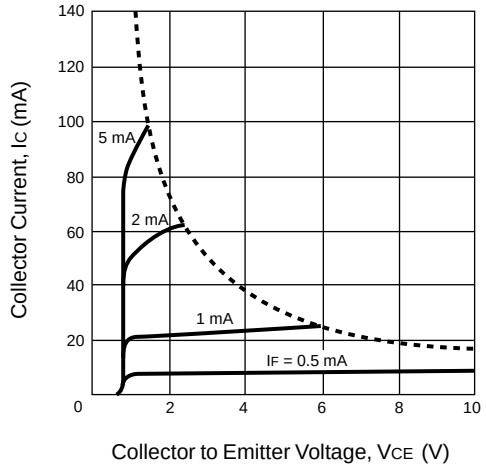


COLLECTOR CURRENT vs. COLLECTOR SATURATION VOLTAGE

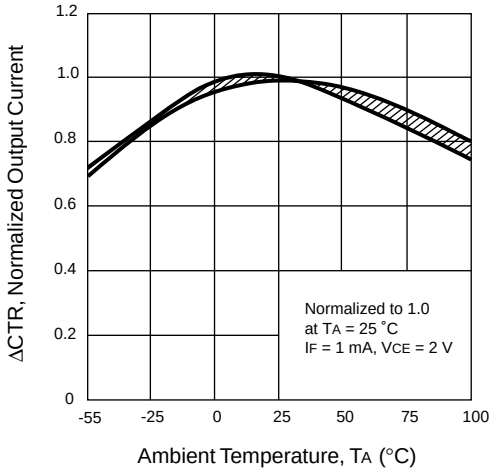


TYPICAL PERFORMANCE CURVES (T_A = 25 °C)

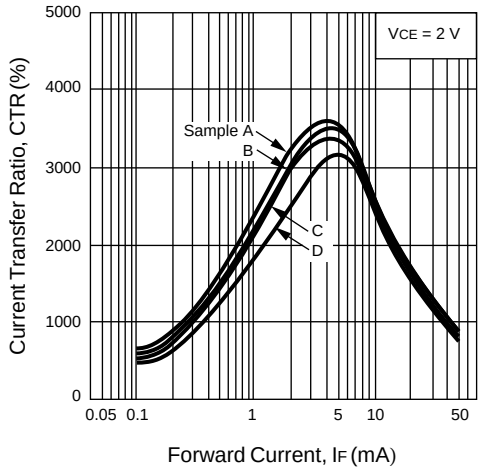
COLLECTOR CURRENT vs. COLLECTOR TO EMITTER VOLTAGE



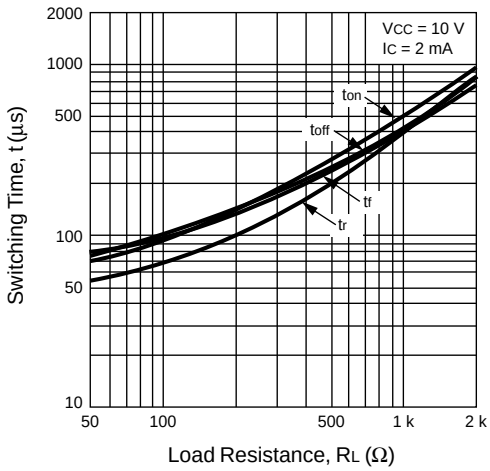
NORMALIZED OUTPUT CURRENT vs. AMBIENT TEMPERATURE



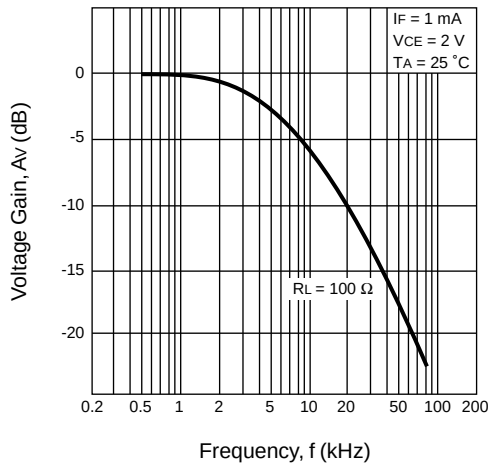
CURRENT TRANSFER RATIO (CTR) vs. FORWARD CURRENT



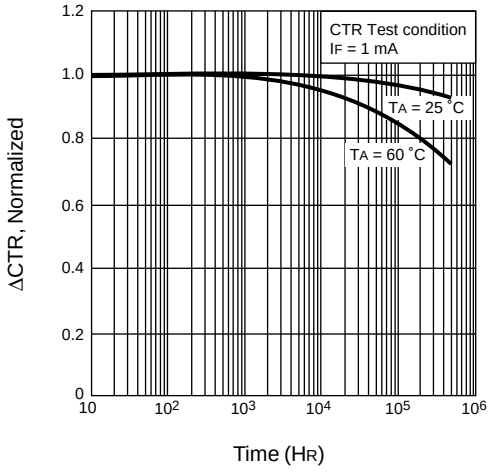
SWITCHING TIME vs. LOAD RESISTANCE



FREQUENCY RESPONSE



CTR DEGRADATION



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