59{/wLt¢Lhb

a!Lb C9!¢¦w9{

¢NJdzűK ¢l-ōfŜ

!.{h[¦¢9 a!·la¦a w!¢LbD{

Parameter		Symbol	Value	Unit

m

{ ² L¢/ I LbD {t9/LCL/ !¢Lhb

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit

All Typical values at T_a=25

b2ûŜM: Input signal (f=25kHz,duty=50%, tr=tf=5ns or less). C_L is less than 15 pF which includes probe and stray wiring capacitance.

b2ûŜH: CM_H is the maximum rate of fall of the common mode voltage that can be sustained with the output voltage in the logic high state (VO 26V).

b2ûŜo: CML is the maximum rate of rise of the common mode voltage that can be sustained with the output voltage in the logic low state (VO 1V).

wŜŏ2YYŜyŘŜŘ hLJŜWI·úΛyƎ /2yŘΛúΛ2yã

Characteristics	Symbol	Min.	Typ.	Max.	Unit

b2ûŜM: The recommended operating conditions are given as a design guide necessary to obtain the intended performance of the device. Each parameter is an independent value. When creating a system design using this device, the electrical characteristics specified in this datasheet should also be considered.

b2ûŜH: Aceramic capacitor(0.1μF) should be connected between pin 6 (V_{CC}) and pin 4 (GND) to stabilize the operation of a high-gain linear amplifier. Otherwise, this photocoupler may not switch properly. The bypass capacitor should be placed within 1 cm of each pin.

b2ûŜo: The rise and fall times of the input on-current should be less than 0.5 μs.

b2ûŜп: If the rising slope of the supply voltage (V_{CC}) for the detector is steep, stable operation of the internal circuits cannot be guaranteed. Be sure to set 3 V/μs or less for a rising slope of the V_{CC}.

b2ûŜp: Denotes the operating range, not the recommended operating condition.

hw59wLbD LbChwa !¢Lhb

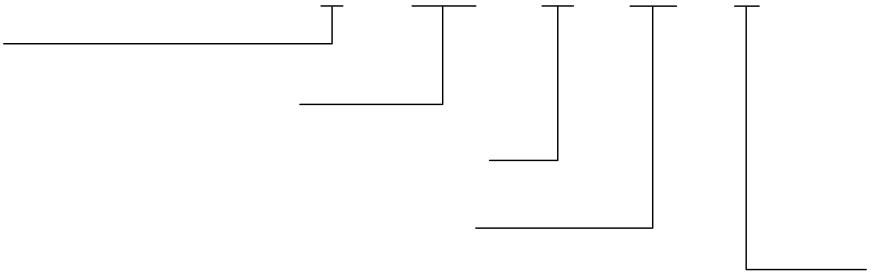

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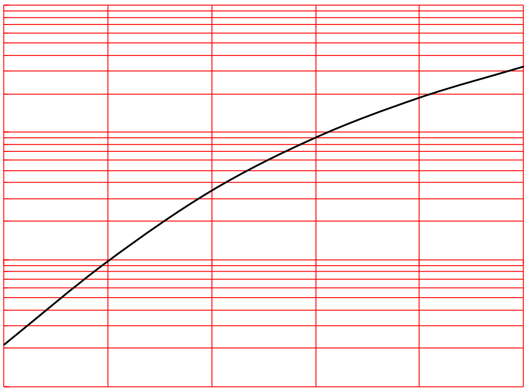
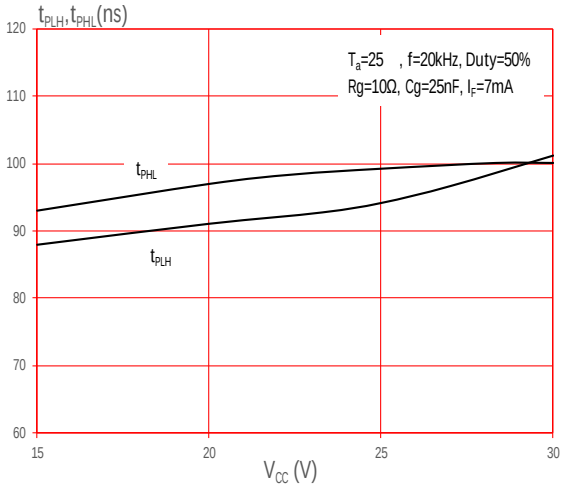
FIG.1:

FIG.2:



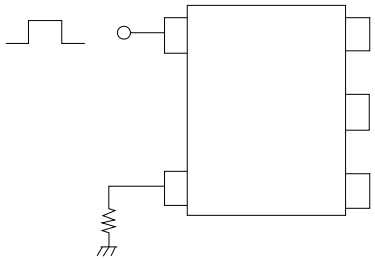
A

FIG.13:



¢Ŝăű /ƛŊŎdzƛűă

FIG.14:

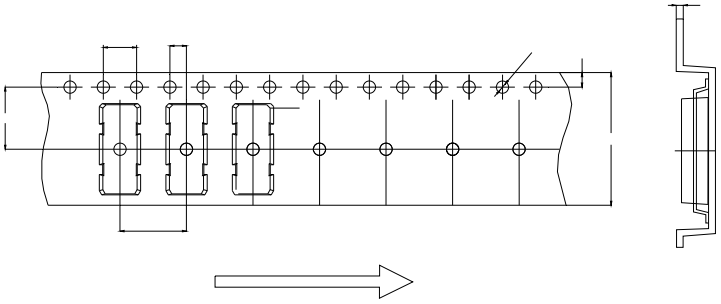


w9/h a a9b595 {h[59w a ! {Y ó5ʎYˆŜyˆãʎ2yˆã ʎyˆYˆY dzyˆtŜăă 2ŭKŜℕǿʎăŜ ăűl-ŭŜŘú

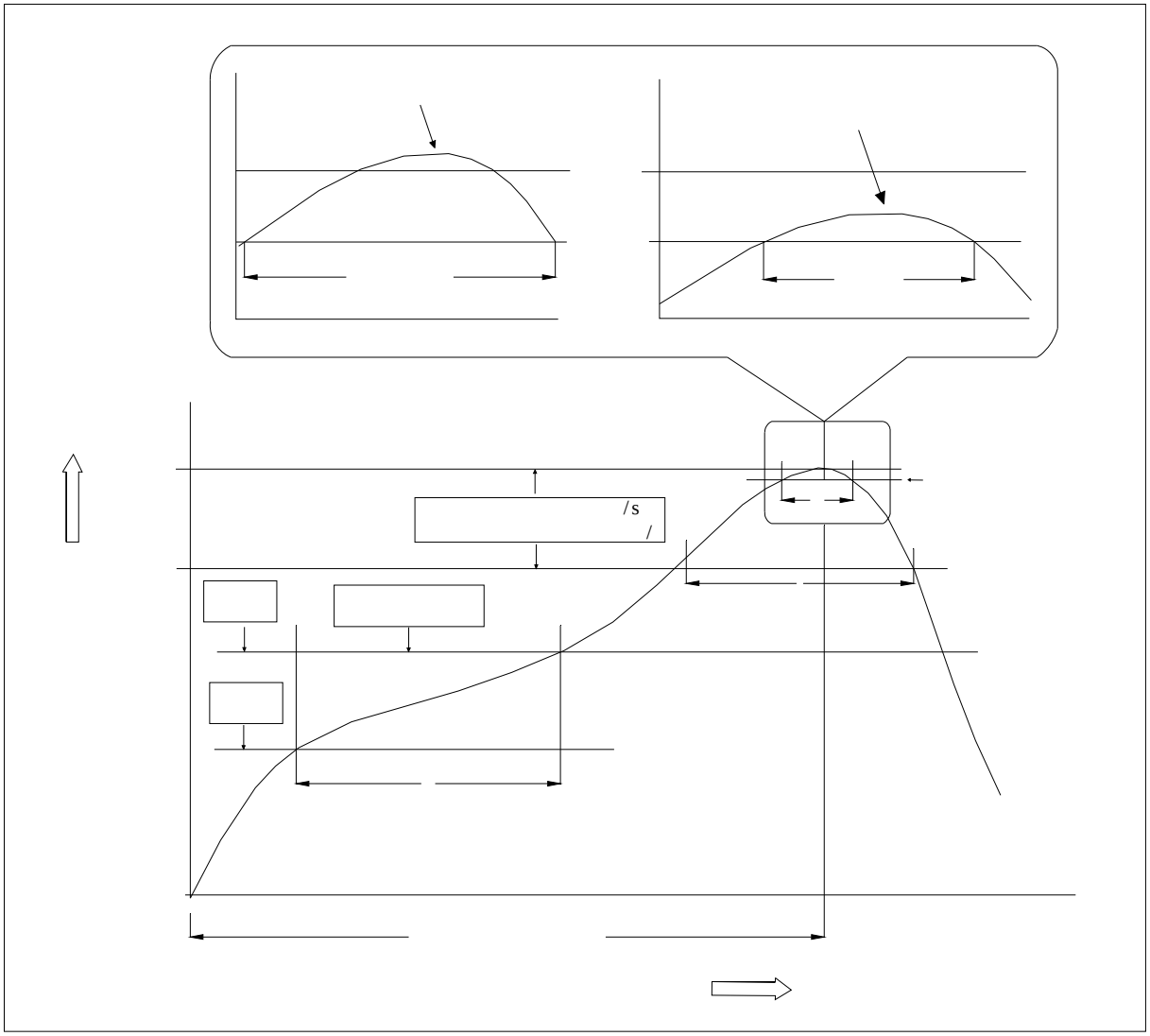
[{htp

/ ! wwL9w ¢! t9 { t9 / LCL / ! ¢L hb{ ó5ʎ Y Ŝy ãʎ 2y ã ʎy Y Y dzyf Ŝää 2ű K Ŝ N ø ʎä Ŝ ăű l-ű Ŝ Řú

hLJűʎ 2y b2y Ŝkw



w9C[h ² lbChwa !¢Lhb



Profile Feature	Sn-Pb Assembly Profile	Pb-Free Assembly Profile