

## Features

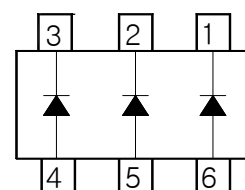
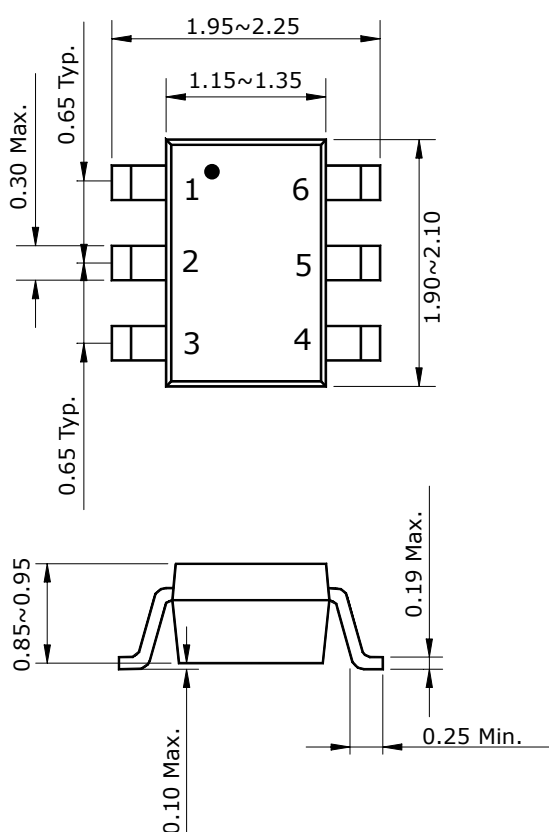
- Small SMD package & 3chip array
- Low reverse current:  $I_R = 1 \mu A$  Max. @  $V_R = 30V$
- Low power rectified
- High reliability

## Ordering Information

Type No.	Marking	Package Code
SUB610	61B	SOT-363

## Outline Dimensions

unit : mm



### • PIN Connections

- 1, 2, 3: Cathode  
4, 5, 6: Anode

## Absolute Maximum Ratings

Ta=25°C

Characteristic	Symbol	Rating	Unit
Reverse voltage	$V_R$	30	V
Forward current	$I_F$	200	mA
Peak forward surge current (Non-repetitive 60Hz sine wave)	$I_{FSM}$	2	A
Power dissipation	$P_D$ *	200	mW
Junction temperature	$T_J$	150	°C
Storage temperature range	$T_{stg}$	-55 ~ 150	°C

\* Total rating

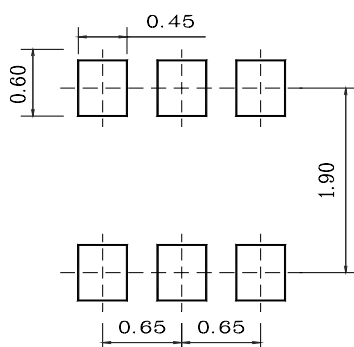
## Electrical Characteristics

Ta=25°C

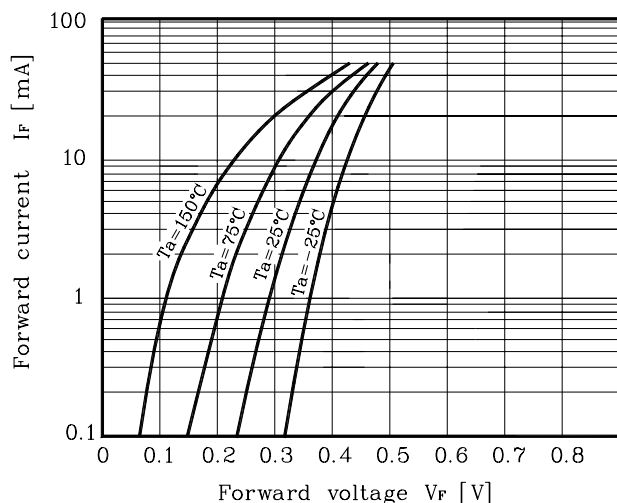
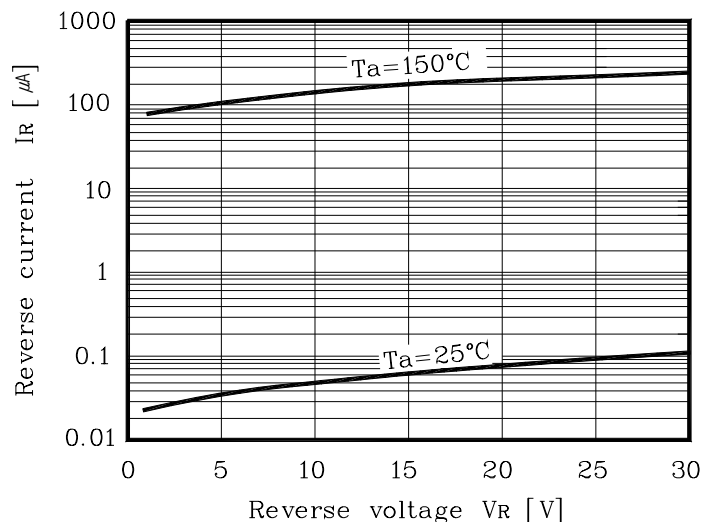
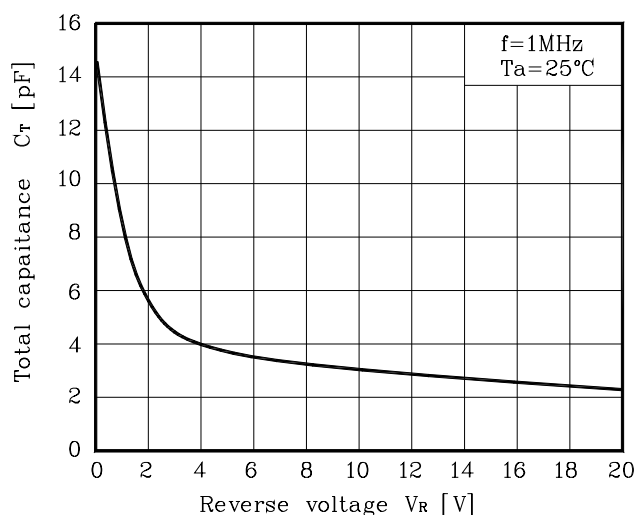
Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Forward voltage	$V_F$ *	$I_F=10\text{mA}$	-	-	0.4	V
	$V_F$ *	$I_F=30\text{mA}$	-	-	0.5	V
Reverse current	$I_R$ *	$V_R=30\text{V}$	-	-	1	μA
Total capacitance	$C_T$	$V_R=1\text{V}$ , $f=1\text{MHz}$	-	7.7	-	pF

\* per each unit

## \* Recommend PCB solder land (Unit : mm)



## Electrical Characteristic Curves (per each unit)

Fig. 1  $I_F - V_F$ Fig. 2  $I_R - V_R$ Fig. 3  $C_T - V_R$ 

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