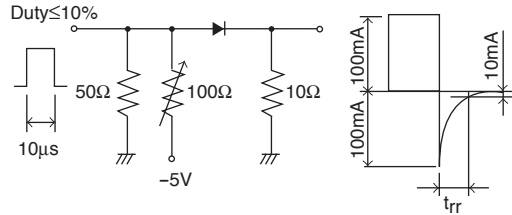


Electrical Characteristics at  $T_a=25^\circ\text{C}$ 

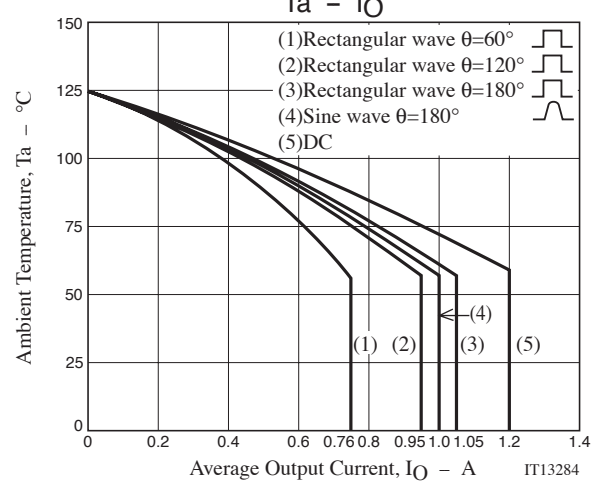
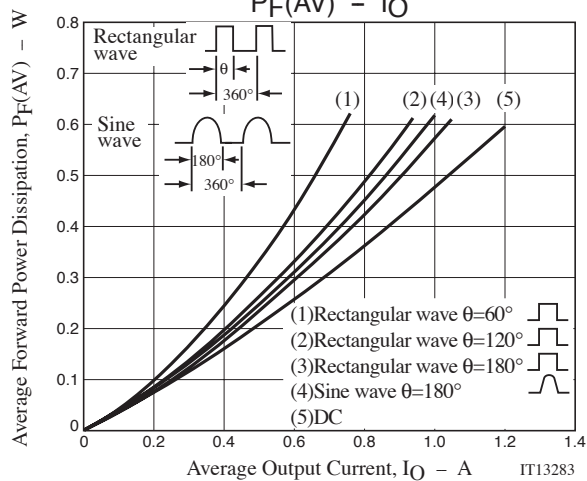
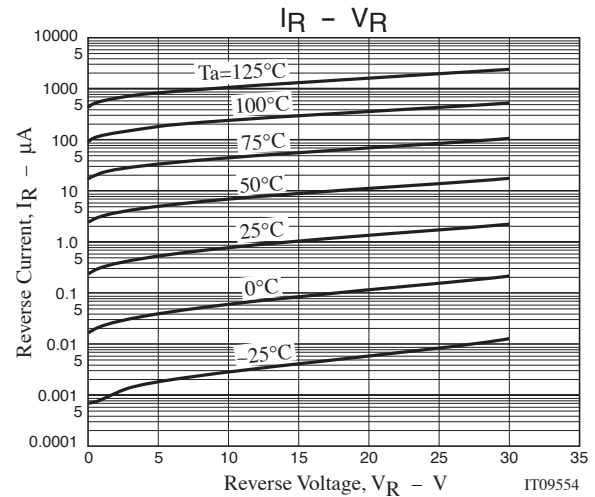
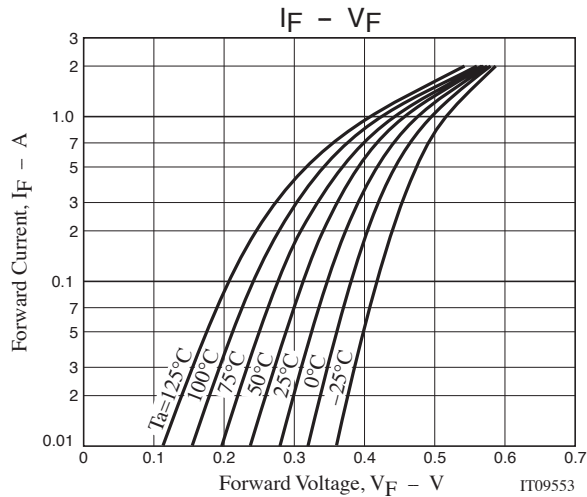
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Reverse Voltage	$V_R$	$I_R=0.2\text{mA}$	30			V
Forward Voltage	$V_{F1}$	$I_F=0.7\text{A}$		0.45	0.50	V
	$V_{F2}$	$I_F=1.0\text{A}$		0.48	0.53	V
Reverse Current	$I_R$	$V_R=16\text{V}$			15	$\mu\text{A}$
Interterminal Capacitance	C	$V_R=10\text{V}$ , $f=1\text{MHz}$		27		pF
Reverse Recovery Time	$t_{rr}$	$I_F=I_R=100\text{mA}$ , See specified Test Circuit.			10	ns
Thermal Resistance	$R_{th(j-a)}$	When mounted on ceramic substrate (900mm $\times$ 0.8mm)		111		$^\circ\text{C} / \text{W}$

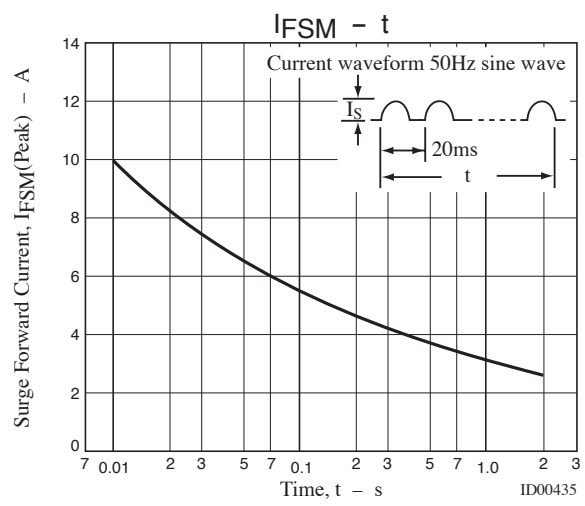
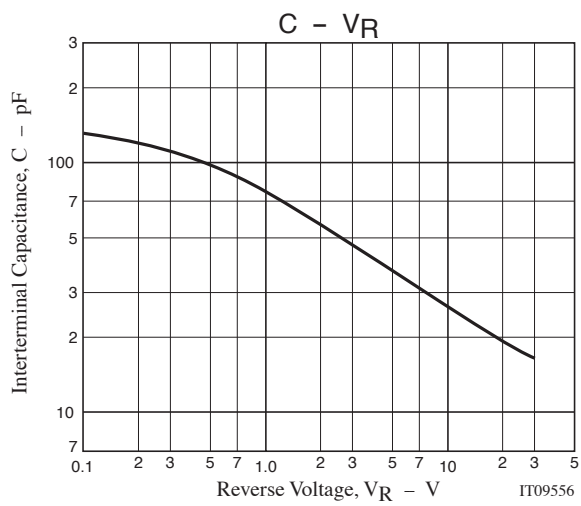
Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

 $t_{rr}$  Test Circuit

## Ordering Information

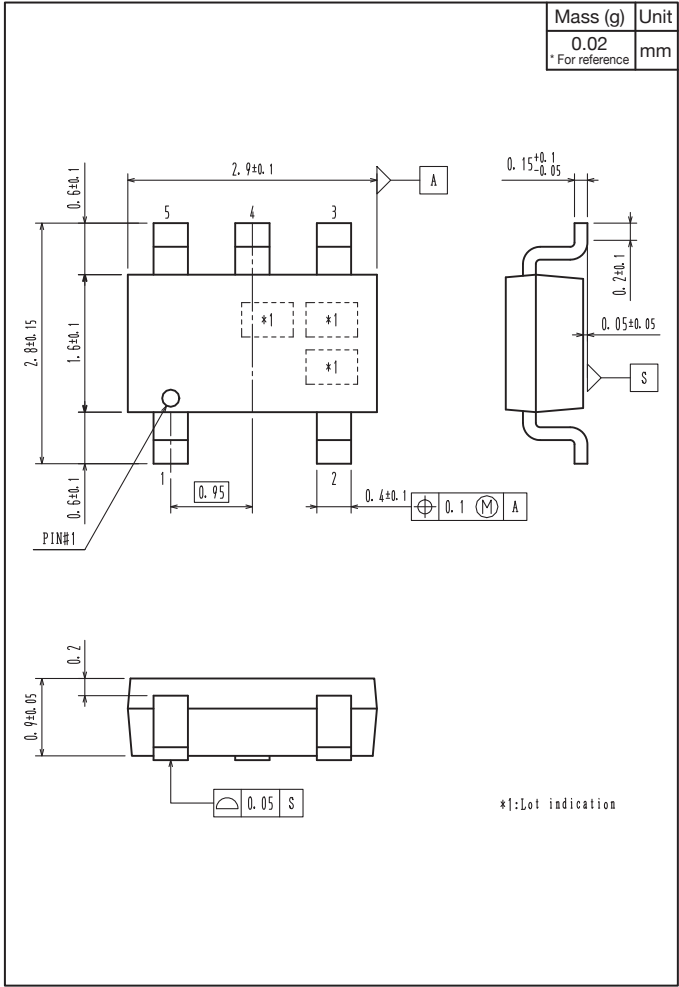
Device	Package	Shipping	memo
SBE807-TL-E	CPH5	3,000pcs./reel	Pb-Free
SBE807-TL-W			Pb-Free and Halogen Free



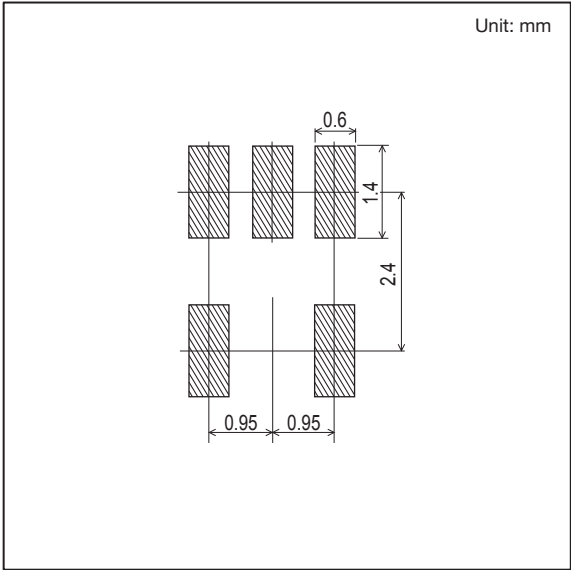


Outline Drawing

SBE807-TL-E, SBE807-TL-W



Land Pattern Example



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