

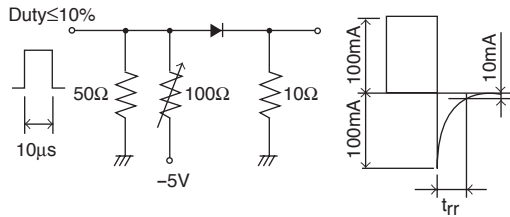
SB10015M

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Reverse Voltage	V_R	$I_R=0.1\text{mA}$	15			V
Forward Voltage	V_{F1}	$I_F=0.5\text{A}$		0.43	0.48	V
	V_{F2}	$I_F=1.0\text{A}$		0.49	0.54	V
Reverse Current	I_R	$V_R=7.5\text{V}$			3	μA
Interterminal Capacitance	C	$V_R=10\text{V}$, $f=1\text{MHz}$		20		pF
Reverse Recovery Time	t_{rr}	$I_F=I_R=100\text{mA}$, See specified Test Circuit.			10	ns
Thermal Resistance	$R_{\theta(j-a)}$	When mounted in Cu-foiled area of $0.72\text{mm}^2 \times 0.03\text{mm}$ on glass epoxy substrate		185		$^{\circ}\text{C} / \text{W}$

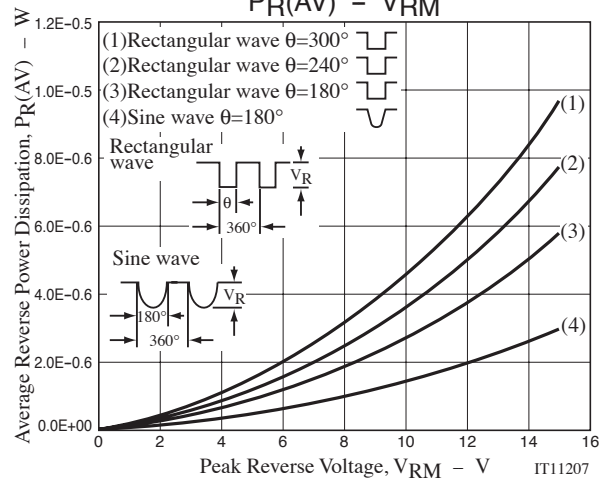
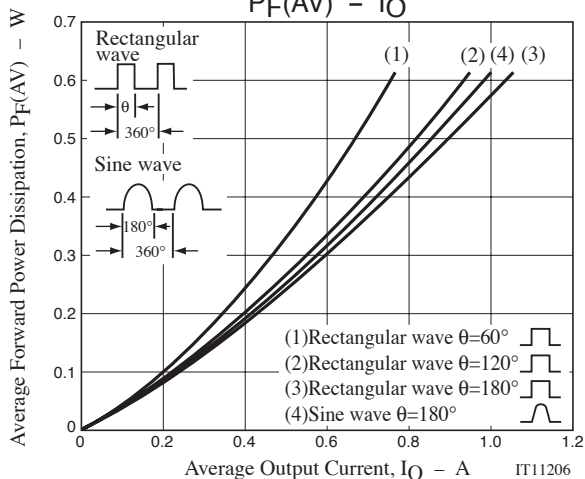
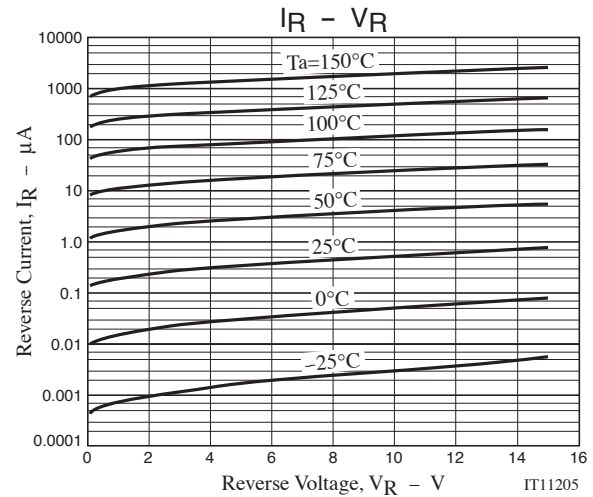
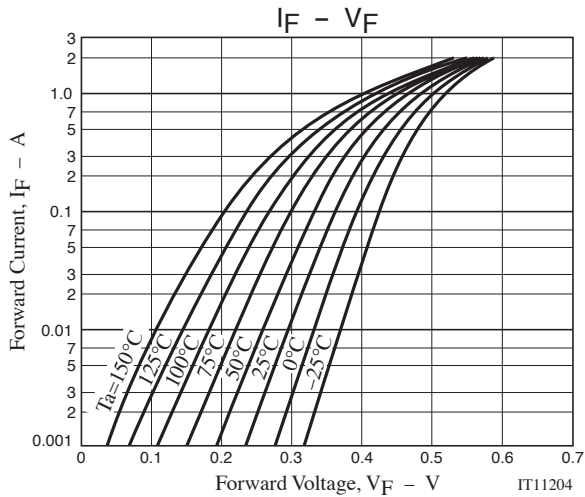
Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

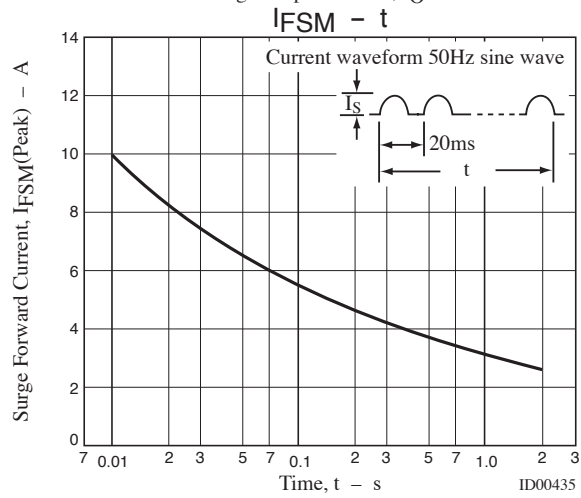
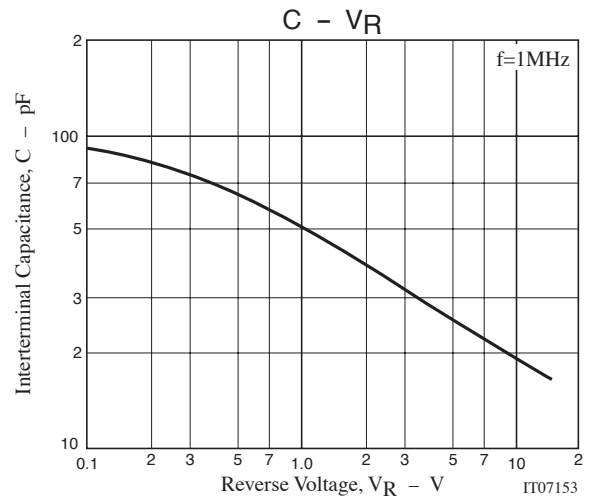
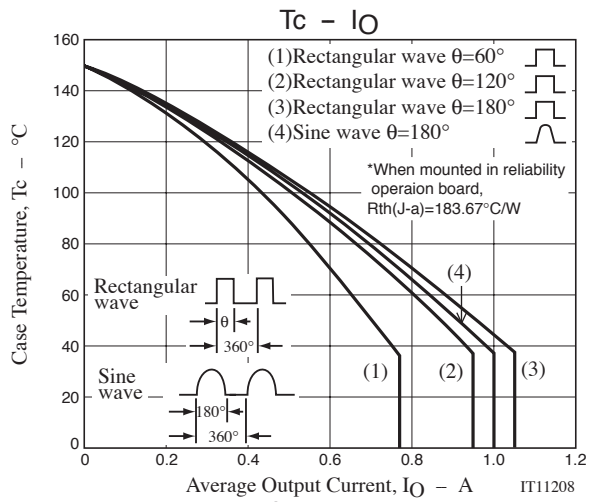
t_{rr} Test Circuit



Ordering Information

Device	Package	Shipping	memo
SB10015M-TL-E	MCPH3	3,000pcs./reel	Pb-Free
SB10015M-TL-W	MCPH3	3,000pcs./reel	Pb-Free and Halogen Free

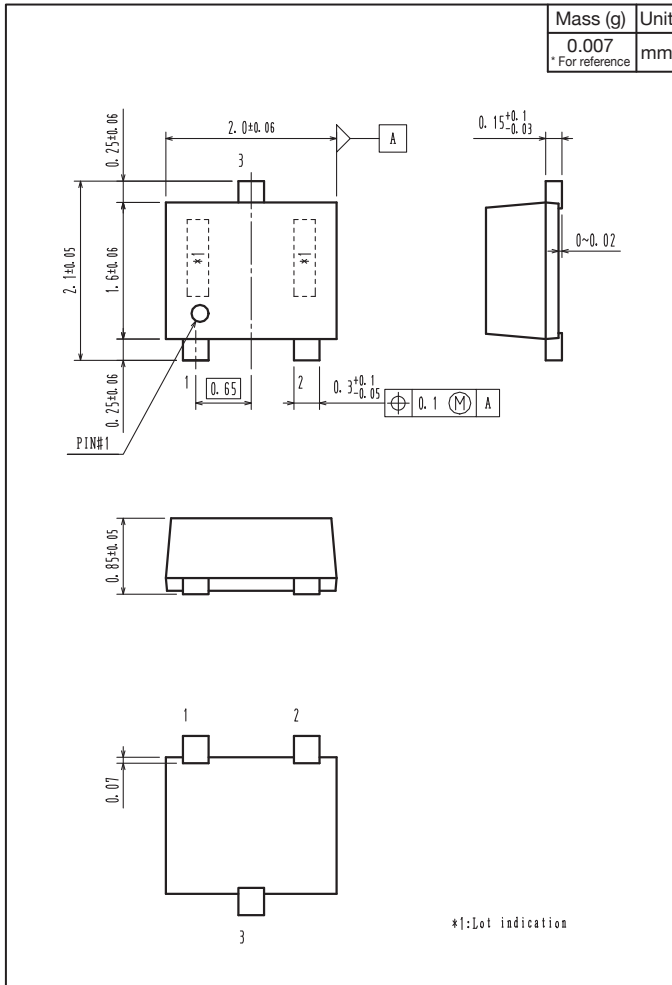




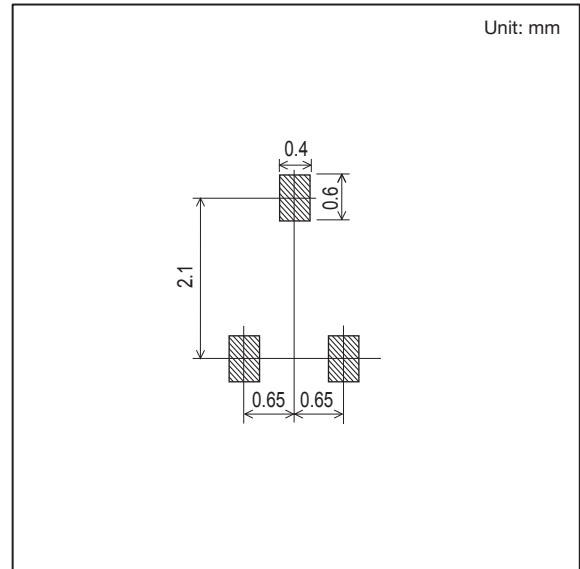
SB10015M

Outline Drawing

SB10015M-TL-E, SB10015M-TL-W



Land Pattern Example



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