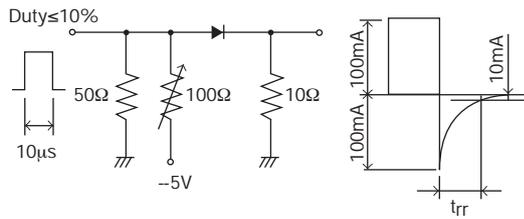


SBE818

Electrical Characteristics at Ta=25°C (Value per element)

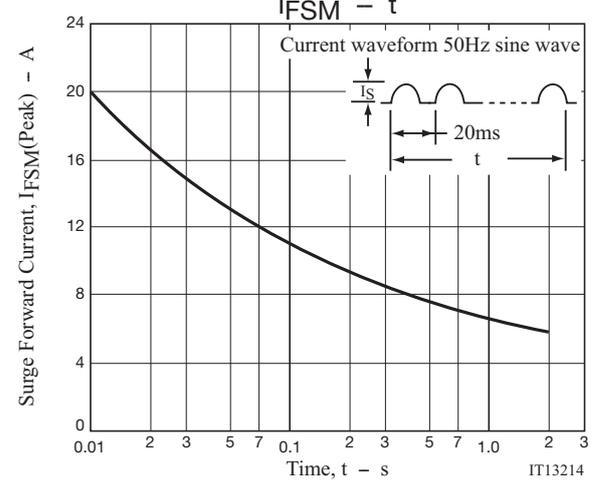
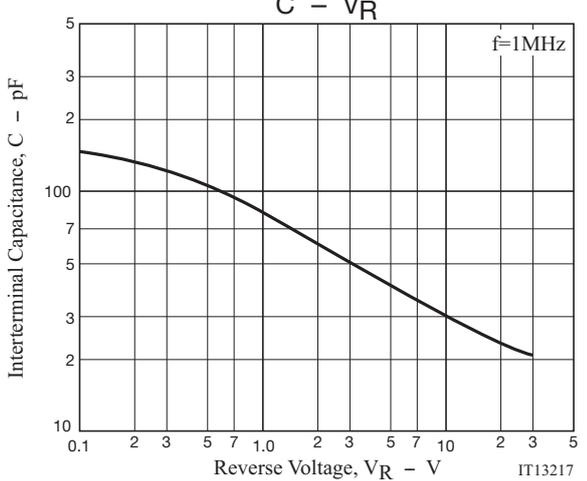
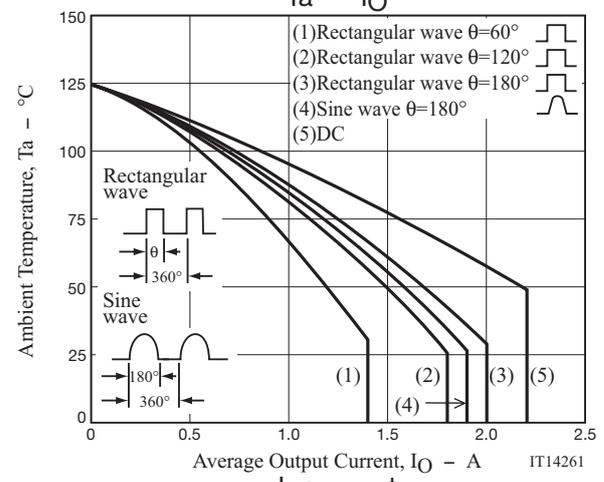
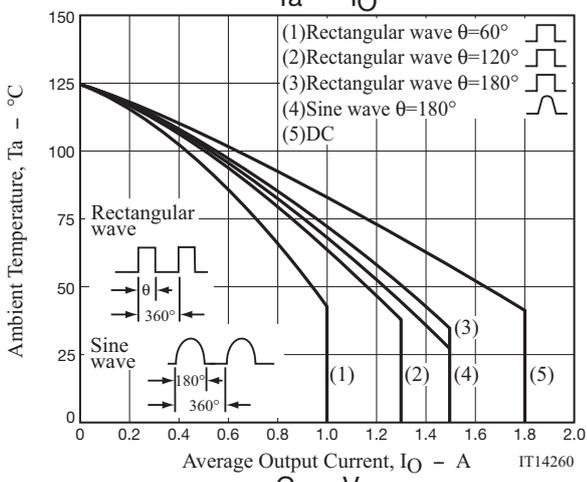
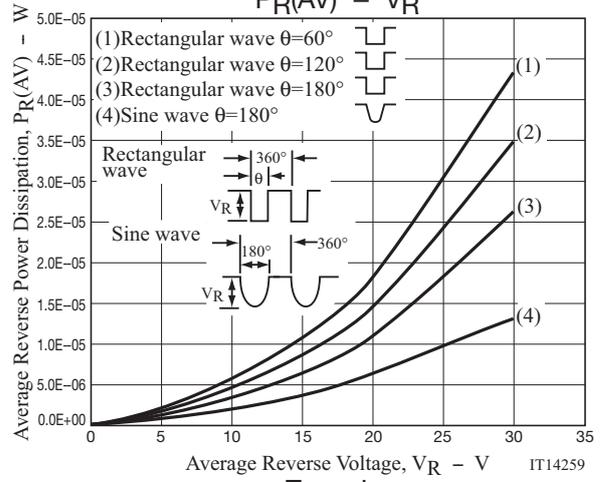
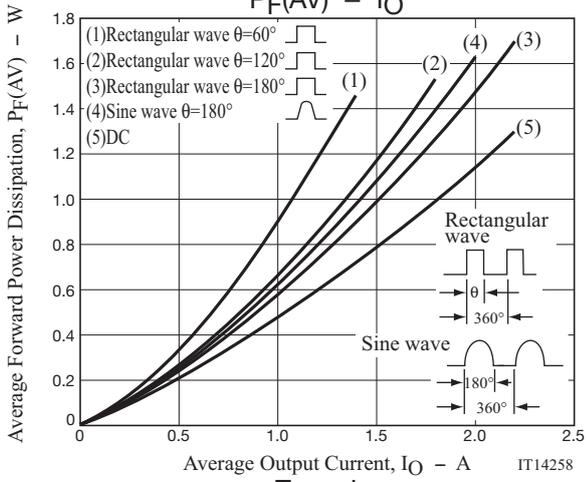
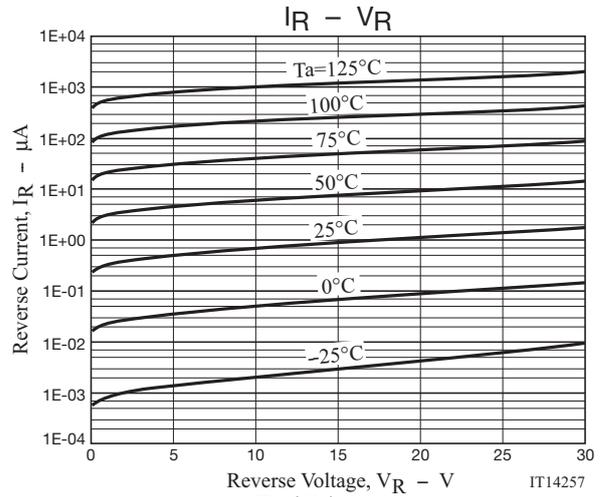
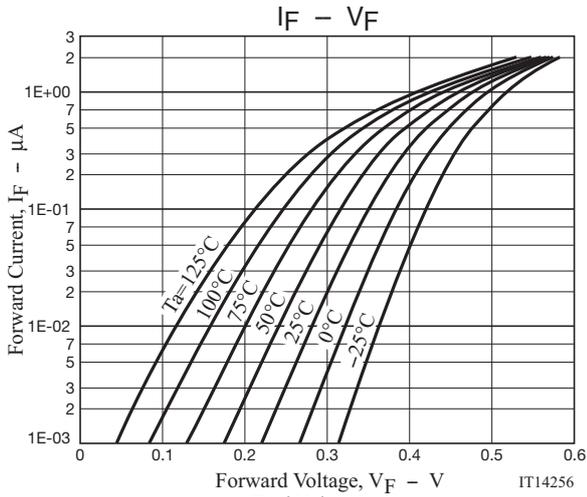
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Reverse Voltage	V_R	$I_R=1\text{mA}$	30			V
Forward Voltage	V_{F1}	$I_F=1.0\text{A}$		0.48	0.53	V
	V_{F2}	$I_F=1.5\text{A}$		0.53	0.58	V
	V_{F3}	$I_F=2.0\text{A}$		0.57	0.62	V
Reverse Current	I_R	$V_R=15\text{V}$			7.5	μA
Interterminal Capacitance	C	$V_R=10\text{V}$, $f=1\text{MHz}$		30		pF
Reverse Recovery Time	t_{rr}	$I_F=I_R=100\text{mA}$, See specified Test Circuit.			10	ns
Thermal Resistance	$R_{th(j-a)1}$	When mounted in Cu-foiled area of $0.96\text{mm}^2 \times 0.03\text{mm}$ on glass epoxy substrate		100		$^{\circ}\text{C} / \text{W}$
	$R_{th(j-a)2}$	When mounted on ceramic substrate ($900\text{mm}^2 \times 0.8\text{mm}$)		65		$^{\circ}\text{C} / \text{W}$

t_{rr} Test Circuit



Ordering Information

Device	Package	Shipping	memo
SBE818-TL-E	EMH8	3,000pcs./reel	Pb Free



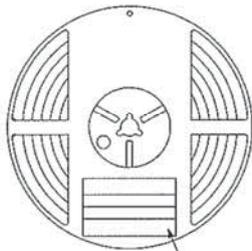
Embossed Taping Specification

SBE818-TL-E

1. Packing Format

Package Name	Carrier Tape Type	Maximum Number of devices contained (pcs)			Packing format	
		Reel	Inner box	Outer box	Inner BOX (C-1)	Outer BOX (A-7)
EMH8	MCP4	3,000	15,000	90,000	5 reels contained Dimensions:mm (external) 183×72×185	6 inner boxes contained Dimensions:mm (external) 440×195×210

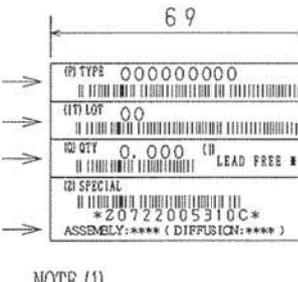
Packing method



Reel label

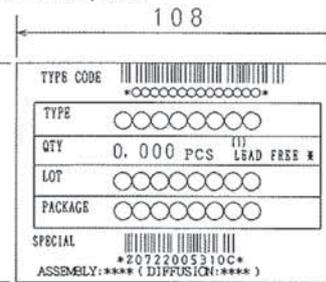
Type No. →
 LOT No. →
 Quantity →
 Origin →

Reel label, Inner box label (unit:mm)



Outer box label

It is a label at the time of factory shipments. The form of a label may change in physical distribution process.



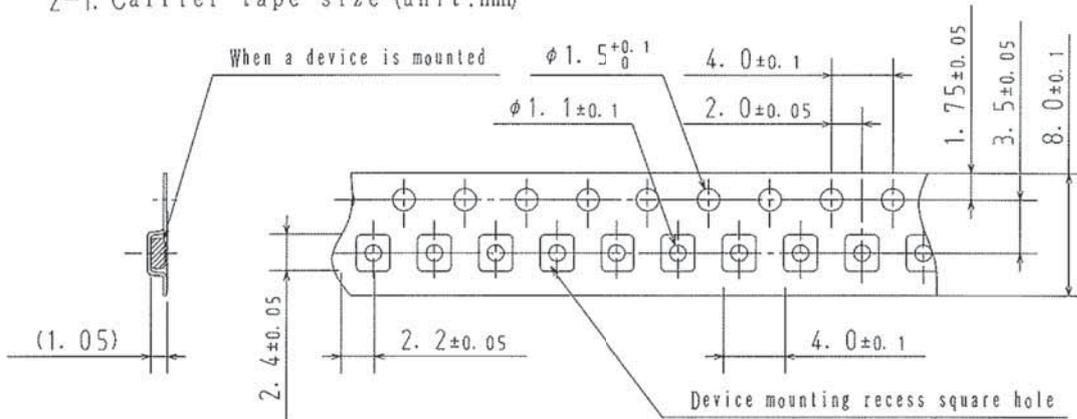
NOTE (1)

The LEAD FREE * description shows that the surface treatment of the terminal is lead free.

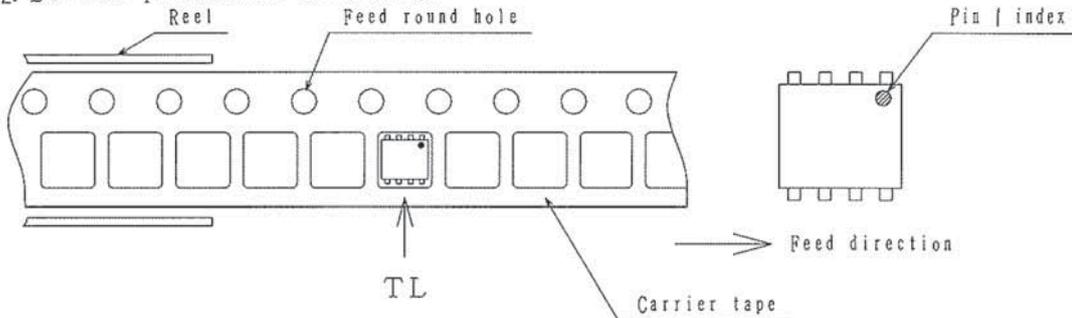
Label	JEITA Phase
LEAD FREE 3	JEITA Phase 3A
LEAD FREE 4	JEITA Phase 3

2. Taping configuration

2-1. Carrier tape size (unit:mm)



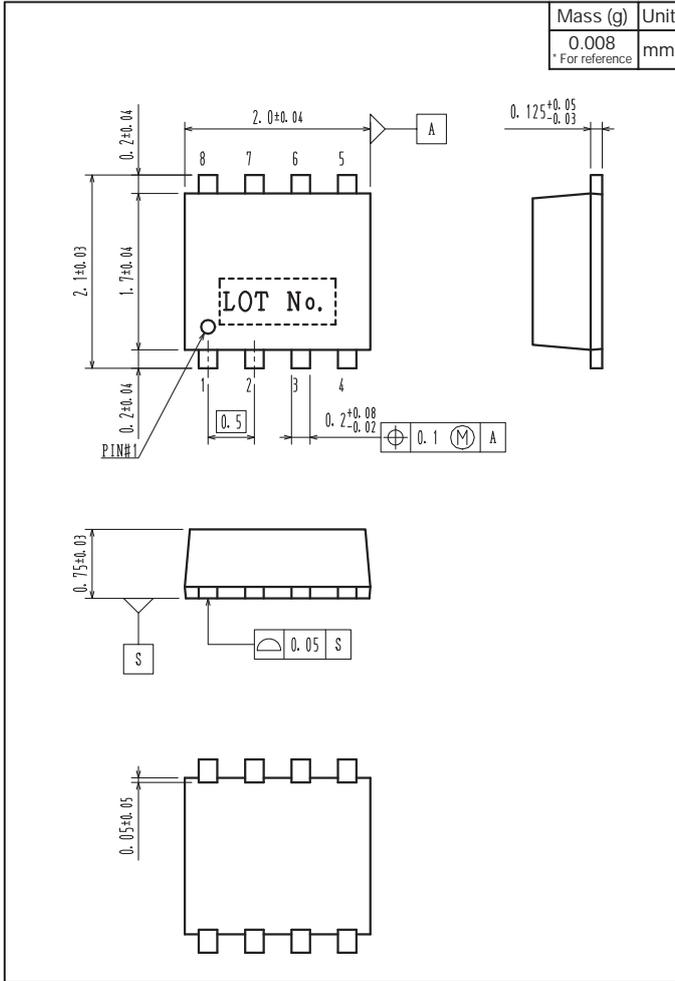
2-2. Device placement direction



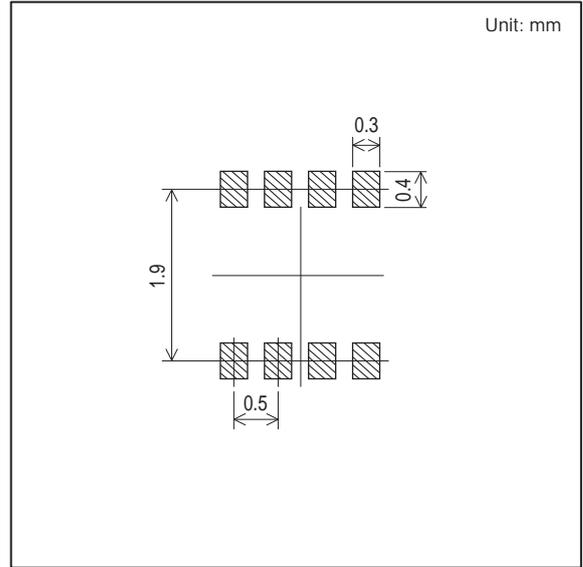
Those with pin 1 index on the feed hole side.....TL

SBE818

Outline Drawing SBE818-TL-E



Land Pattern Example



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