

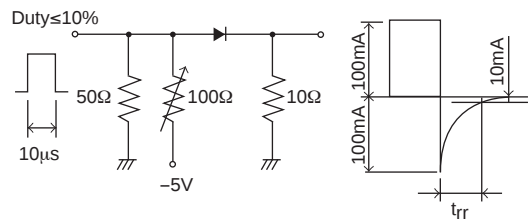
<http://onsemi.com>

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}	$I_F=1.0\text{A}$		0.37	0.42	V
	V_{F2}	$I_F=1.5\text{A}$		0.42	0.47	V
	V_{F3}	$I_F=2.0\text{A}$		0.46	0.52	V
Reverse Current	I_R	$V_R=15\text{V}$			350	μA
Interterminal Capacitance	C	$V_R=10\text{V}$, f=1MHz		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 900mm ² ×0.8mm on glass epoxy substrate		100		°C / W
	$R_{th(j-a)2}$	When mounted on ceramic substrate (900mm ² ×0.8mm)		65		°C / W

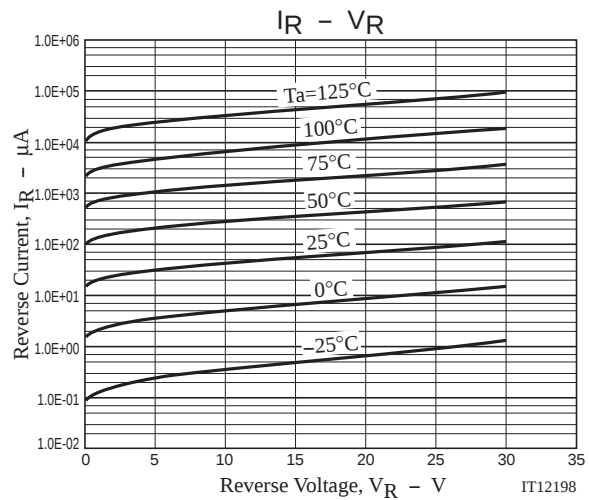
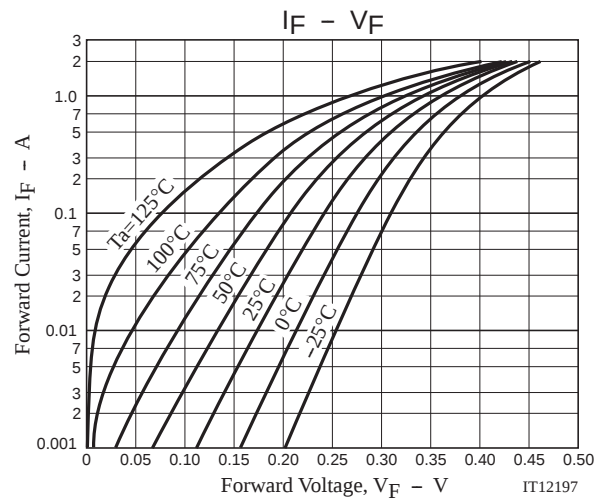
*: The absolute maximum ratings and electrical characteristics refer to those between Terminal 1 and Terminal 7 (or 8), and between Terminal 3 and Terminal 5 (or 6).

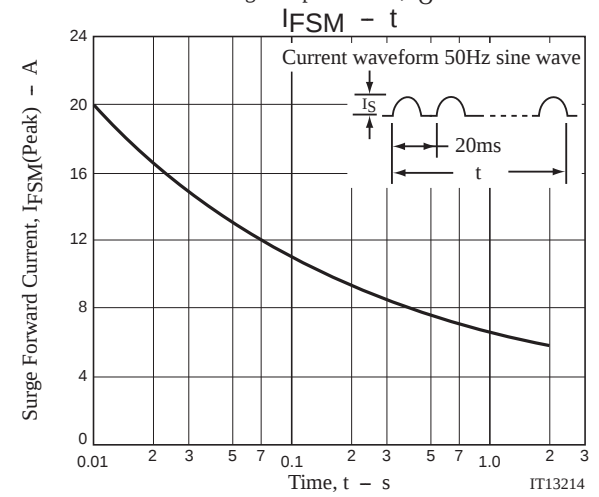
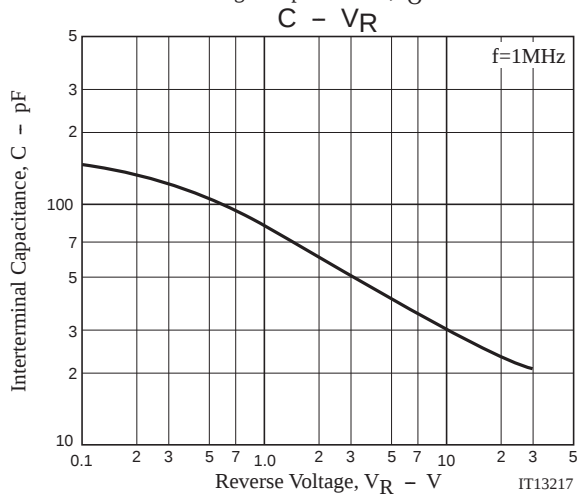
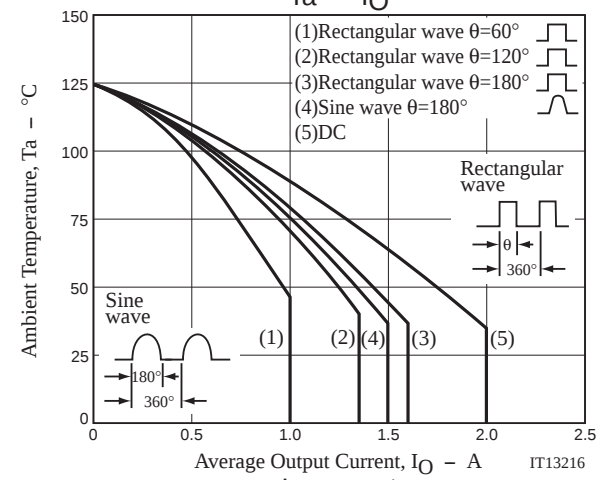
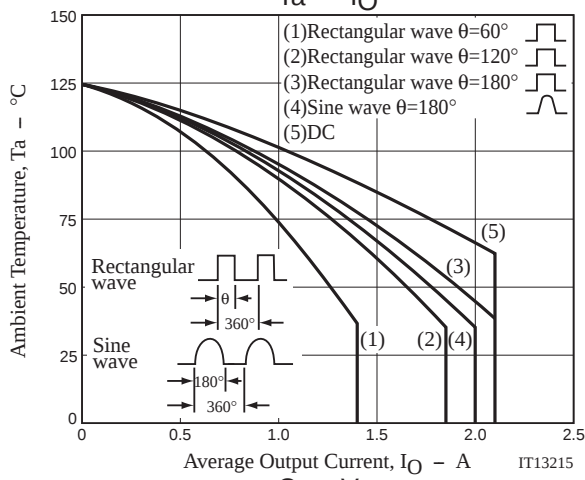
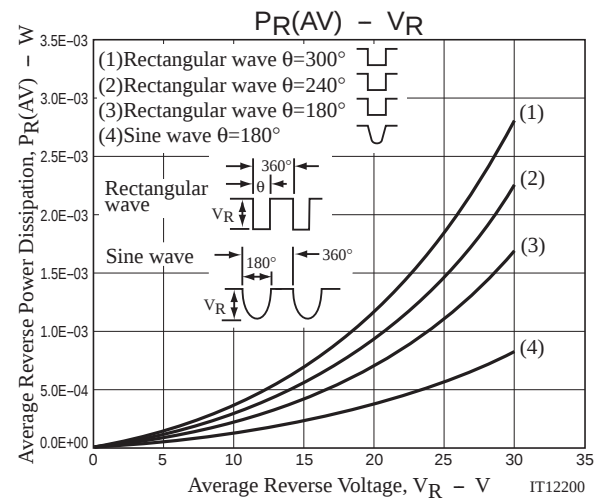
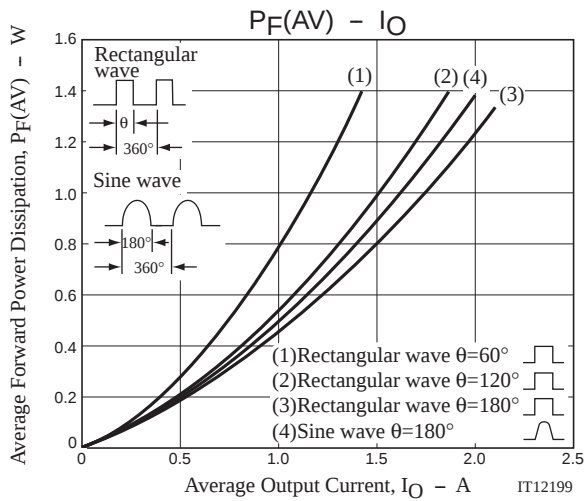
t_{rr} Test Circuit



Ordering Information

Device	Package	Shipping	memo
SBS818-TL-E	EMH8	3,000pcs./reel	Pb Free





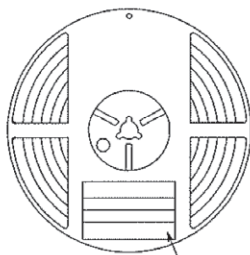
Embossed Taping Specification

SBS818-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)

TYPE	0000000000
LOT	00
QTY	0,000
SPECIAL	LEAD FREE *
ASSEMBLY	***** (DIFFUSION:****)

Outer box label

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

TYPE CODE	00000000000000000000
TYPE	0000000000
QTY	0,000 PCS
LOT	0000000000
PACKAGE	0000000000
SPECIAL	***** (DIFFUSION:****)
ASSEMBLY	***** (DIFFUSION:****)

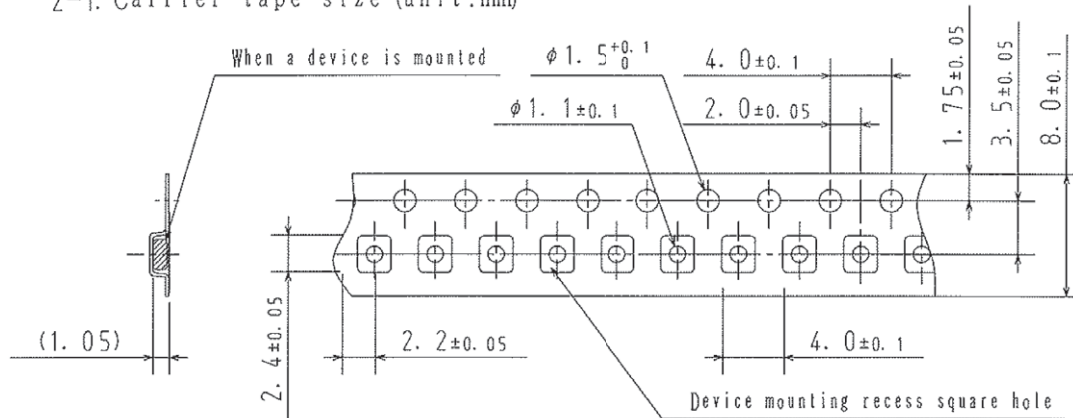
NOTE (1)

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

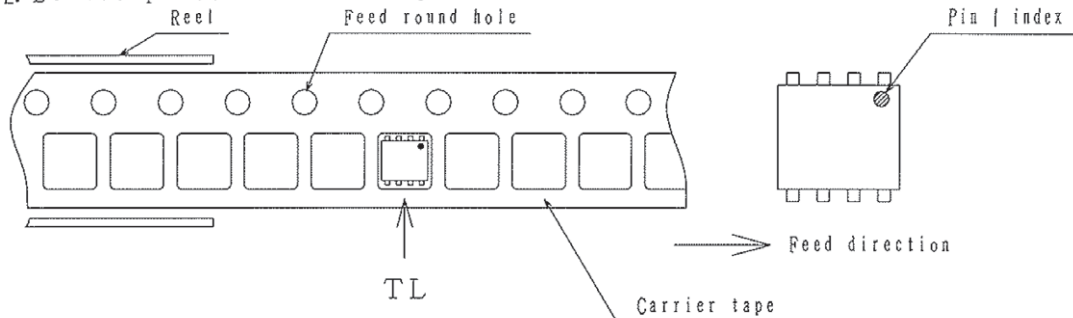
Label	JEITA Phase
LEAD FREE 3	JEITA Phase 3A
LEAD FREE 4	JEITA Phase 3

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

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