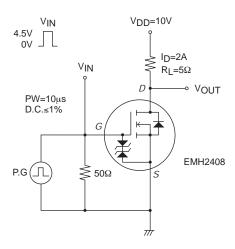
EMH2408

Electrical Characteristics at Ta=25°C

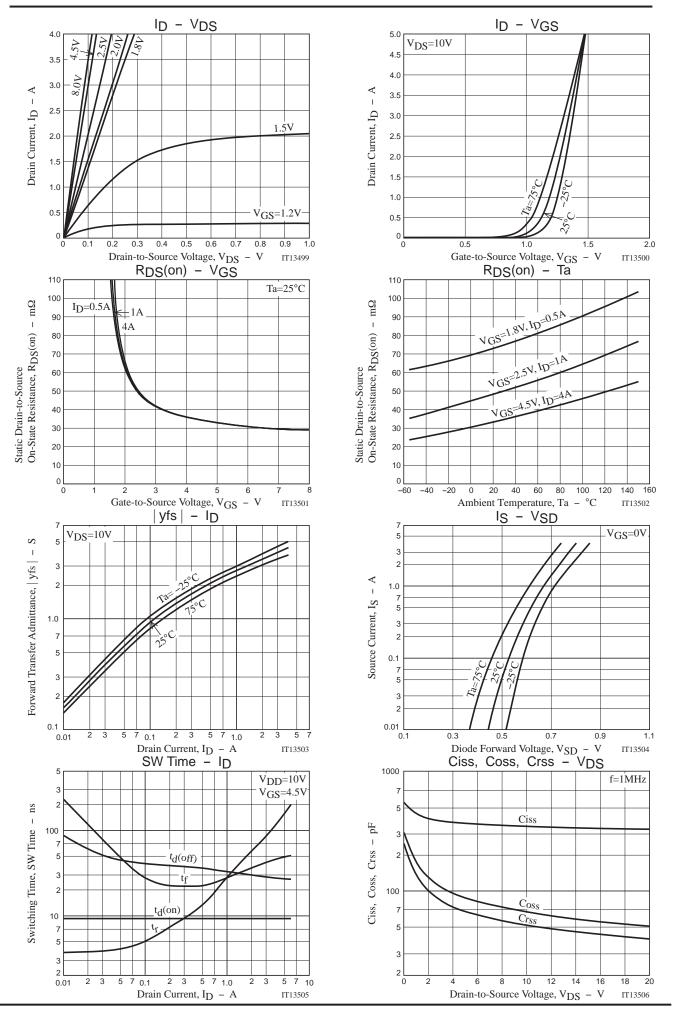
Parameter	Symbol	Conditions	Ratings			Unit
raiametei		Conditions	min	typ	max	Unit
Drain-to-Source Breakdown Voltage	V(BR)DSS	ID=1mA, VGS=0V	20			V
Zero-Gate Voltage Drain Current	IDSS	V _{DS} =20V, V _{GS} =0V			1	μΑ
Gate-to-Source Leakage Current	IGSS	V _{GS} =±8V, V _{DS} =0V			±10	μΑ
Cutoff Voltage	VGS(off)	V _{DS} =10V, I _D =1mA	0.4		1.3	٧
Forward Transfer Admittance	yfs	V _{DS} =10V, I _D =2A	2.0	3.4		S
	R _{DS} (on)1	I _D =4A, V _G S=4.5V		34	45	mΩ
static Drain-to-Source On-State Resistance	R _{DS} (on)2	I _D =1A, V _{GS} =2.5V		49	67	mΩ
	R _{DS} (on)3	I _D =0.5A, V _{GS} =1.8V		74	115	mΩ
Input Capacitance	Ciss			345		pF
Output Capacitance	Coss	V _{DS} =10V, f=1MHz		67		pF
Reverse Transfer Capacitance	Crss			52		pF
Turn-ON Delay Time	t _d (on)	See specified Test Circuit.		9.2		ns
Rise Time Turn-OFF Delay Time	t _r			60		ns
	t _d (off)			30		ns
Fall Time	tf			38		ns
Total Gate Charge	Qg			4.7		nC
Gate-to-Source Charge	Qgs	V _{DS} =10V, V _{GS} =4.5V, I _D =4A		0.65		nC
Gate-to-Drain "Miller" Charge	Qgd			1.6		nC
Diode Forward Voltage	V _{SD}	I _S =4A, V _{GS} =0V		0.8	1.2	V

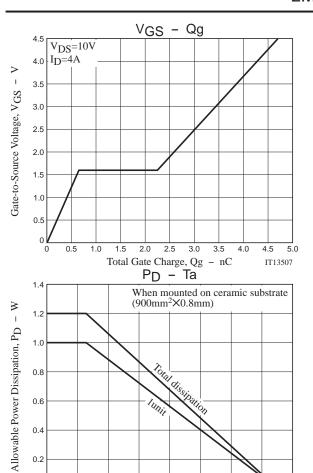
Switching Time Test Circuit



Ordering Information

Device Package		Shipping	memo		
EMH2408-TL-H EMH8		3,000pcs./reel	Pb Free and Halogen Free		





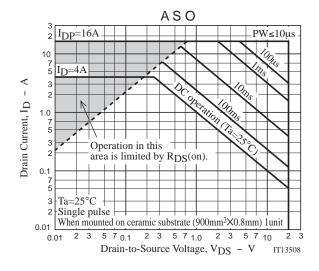
80

Ambient Temperature, Ta - °C

100

160

IT13509



0

0

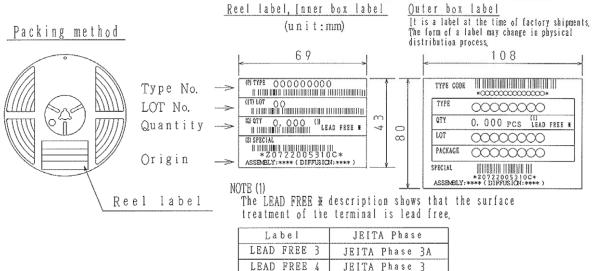
20

Embossed Taping Specification

EMH2408-TL-H

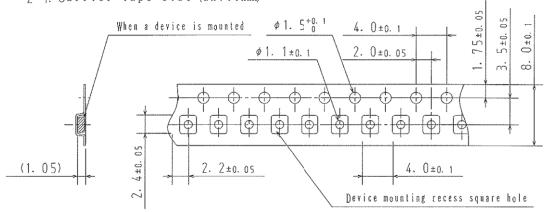
1. Packing Format

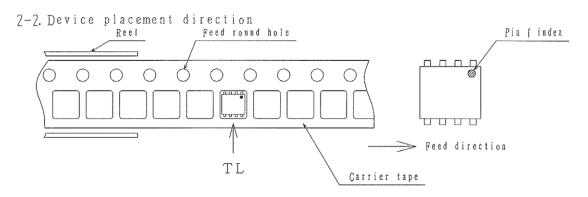
	Package Name	Carrier Tape	Maximum Number of devices contained (pcs)			Packing format		
		Туре	Reel	Inner box	Outer box	Inner BOX (C-1)	Outer BOX (A-7)	
	EMH8	MCP4	3, 000	15, 000	90, 000	5 reels contained	6 inner boxes contained	
-		1000				Dinensions:mm (external)	Dimensions:mm (external)	
-						183×72×185	440×195×210	



2. Taping configuration

7-1. Carrier tape size (unit:mm)

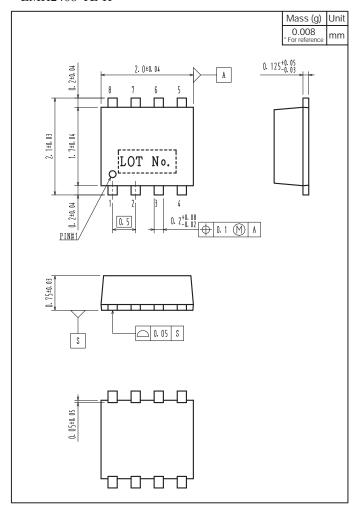




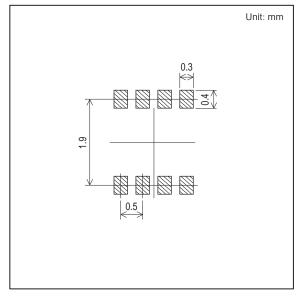
Those with pin 1 index on the feed hole side·····TL

Outline Drawing

EMH2408-TL-H



Land Pattern Example



Note on usage: Since the EMH2408 is a MOSFET product, please avoid using this device in the vicinity of highly charged objects.

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