

CPH3459

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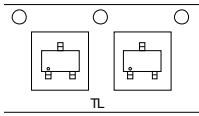
Parameter	Symbol	Conditions	Value			Unit
			min	Typ	max	
Input Capacitance	Ciss	V <sub>DS</sub> =20V, f=1MHz		90		pF
Output Capacitance	Coss			10		pF
Reverse Transfer Capacitance	Crss			6		pF
Turn-ON Delay Time	t <sub>d(on)</sub>	See specified Test Circuit		4		ns
Rise Time	t <sub>r</sub>			3.5		ns
Turn-OFF Delay Time	t <sub>d(off)</sub>			14		ns
Fall Time	t <sub>f</sub>			45		ns
Total Gate Charge	Q <sub>g</sub>	V <sub>DS</sub> =100V, V <sub>GS</sub> =10V, I <sub>D</sub> =0.5A		2.4		nC
Gate to Source Charge	Q <sub>gs</sub>			0.3		nC
Gate to Drain "Miller" Charge	Q <sub>gd</sub>			0.8		nC
Forward Diode Voltage	V <sub>SD</sub>	I <sub>S</sub> =0.5A, V <sub>GS</sub> =0V		0.82	1.2	V

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.

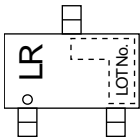
Ordering & Package Information

Device	Package	Shipping	note
CPH3459-TL-W	CPH3, SC-59 SOT-23, TO-236	3,000 pcs. / reel	Pb-Free and Halogen Free

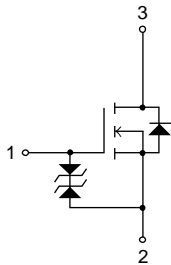
Packing Type:TL



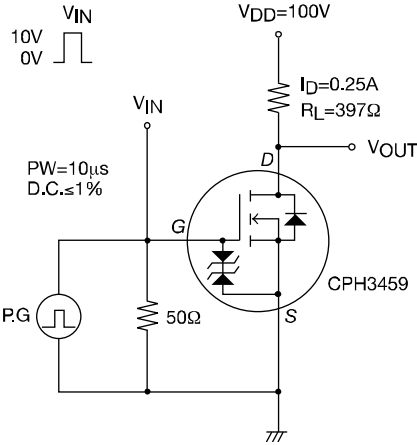
Marking

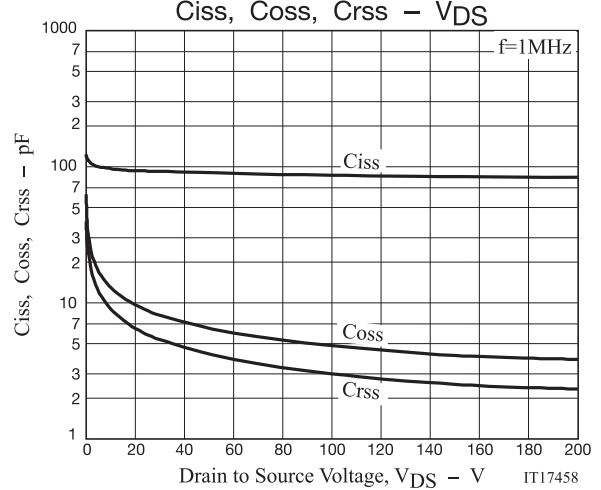
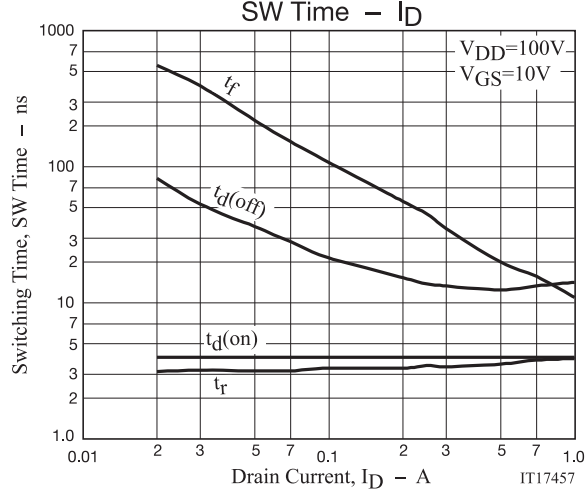
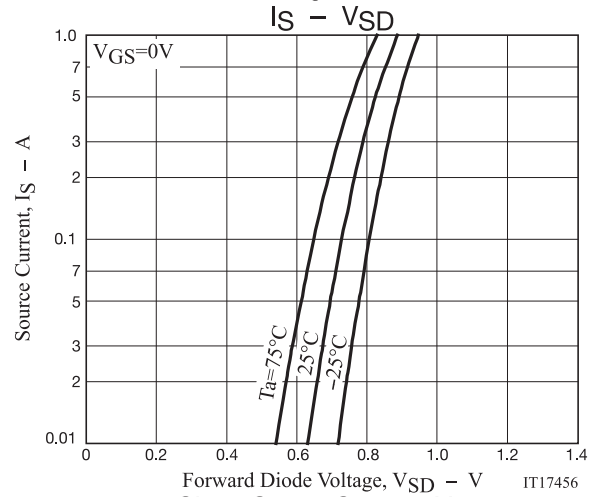
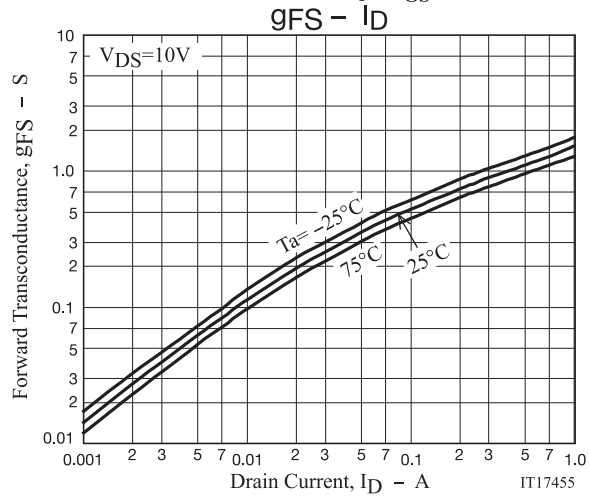
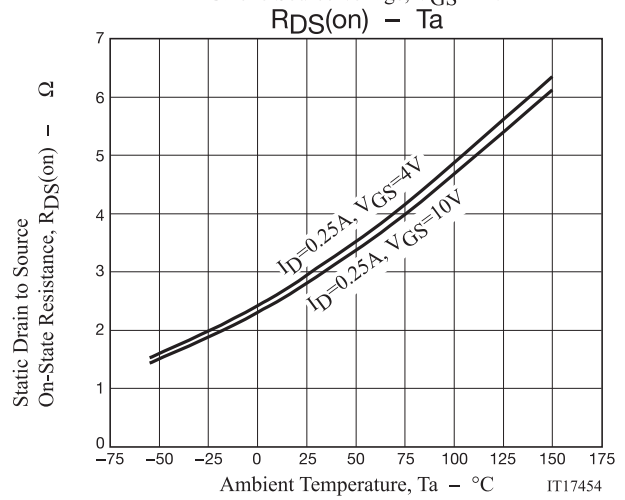
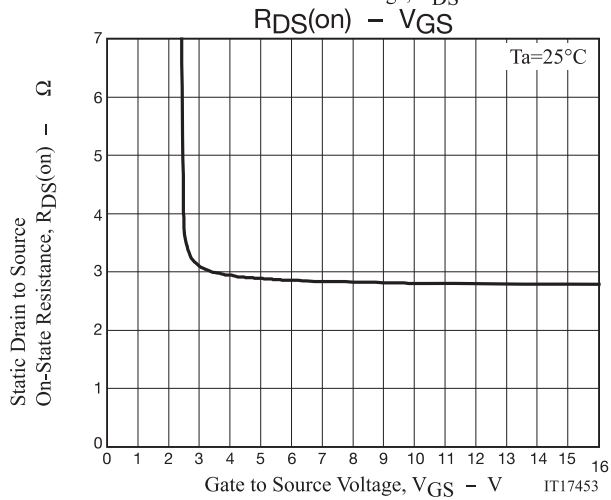
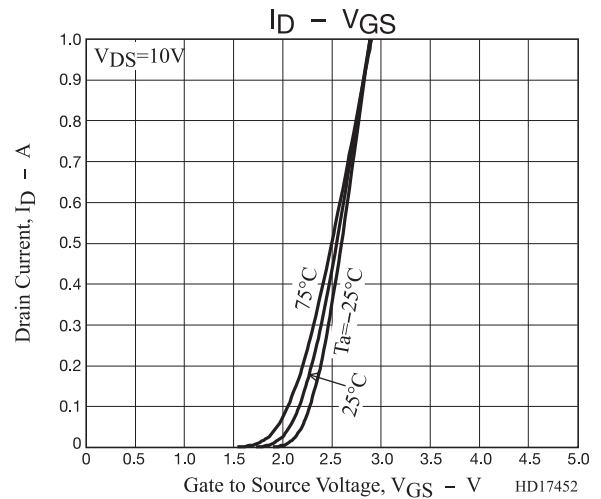
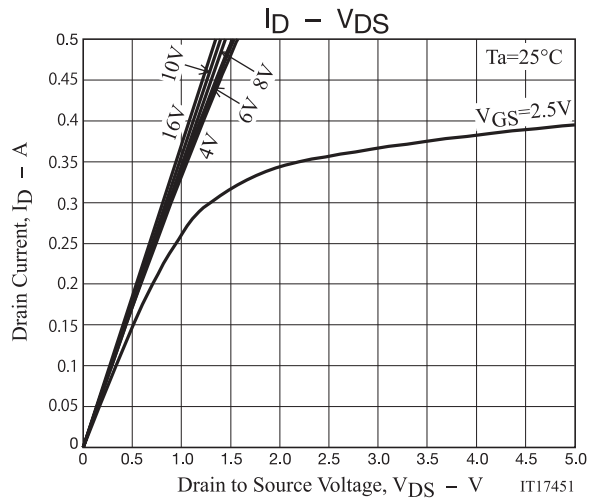


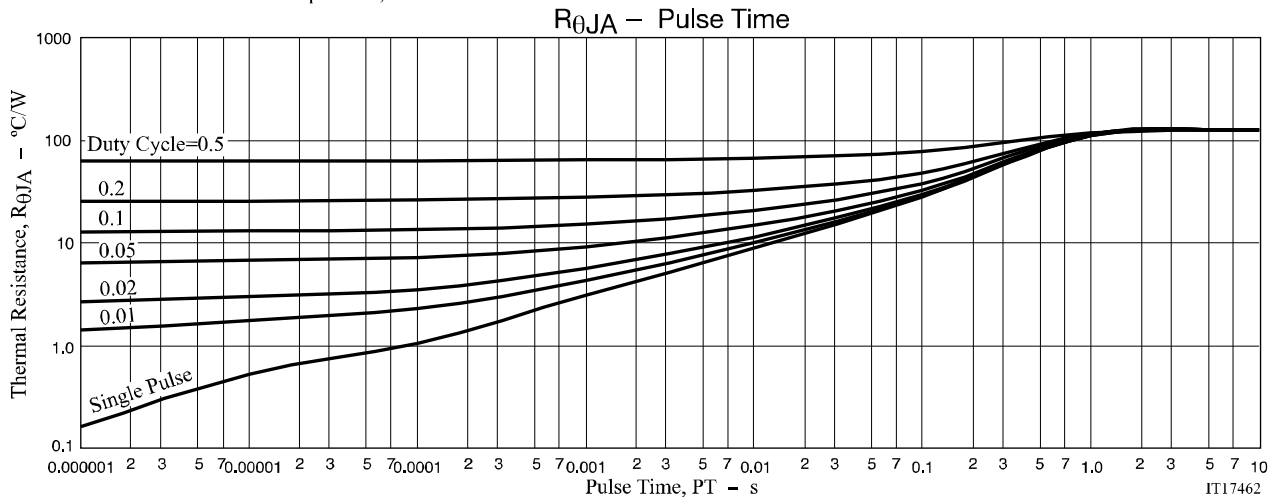
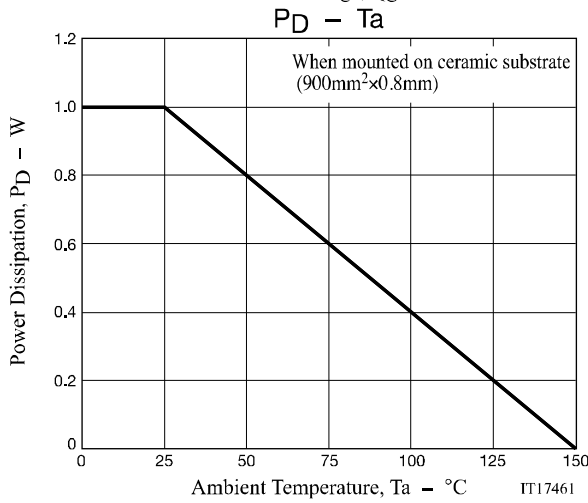
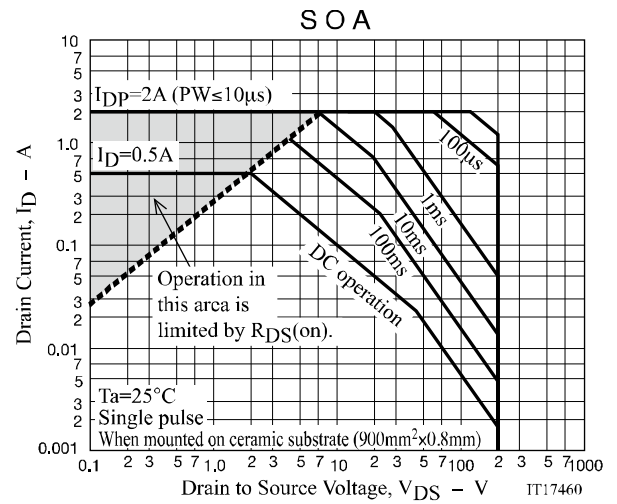
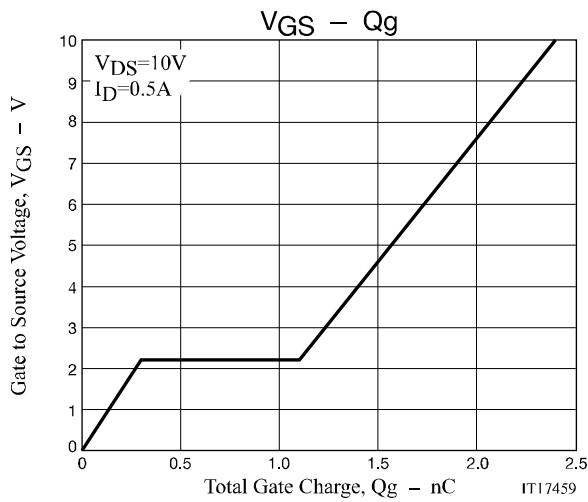
Electrical Connection



Switching Time Test Circuit







## Package Dimensions

CPH3459-TL-W

## CPH3

CASE 318BA

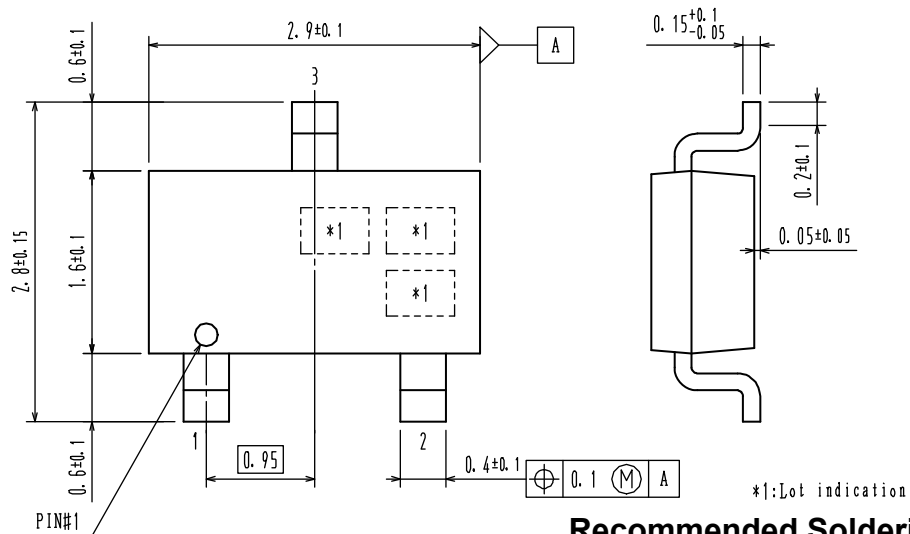
ISSUE O

unit : mm

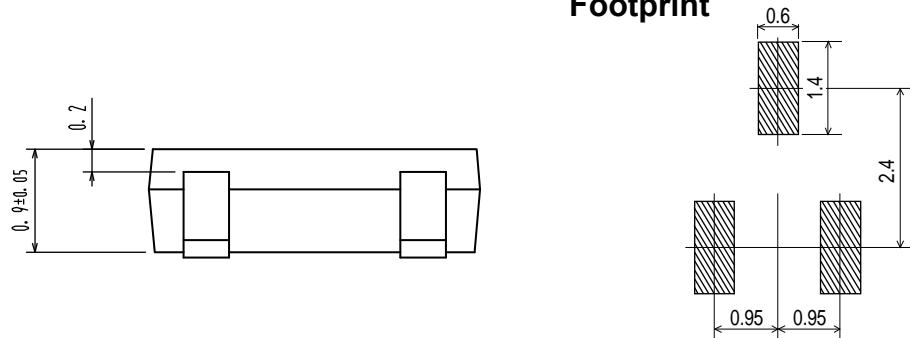
1 : Gate

2 : Source

3 : Drain



## Recommended Soldering Footprint



Note on usage : Since the CPH3459 is a MOSFET product, please avoid using this device in the vicinity of highly charged objects.

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