

CPH3462

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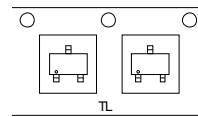
| Parameter | Symbol | Conditions | Value | | | Unit |
|-------------------------------|--------------|----------------------------------|-------|------|-----|------|
| | | | min | Typ | max | |
| Turn-ON Delay Time | $t_{d(on)}$ | See specified Test Circuit | | 4.0 | | ns |
| Rise Time | t_r | | | 2.8 | | ns |
| Turn-OFF Delay Time | $t_{d(off)}$ | | | 17 | | ns |
| Fall Time | t_f | | | 11 | | ns |
| Total Gate Charge | Q_g | $V_{DS}=50V, V_{GS}=10V, I_D=1A$ | | 3.4 | | nC |
| Gate to Source Charge | Q_{gs} | | | 0.47 | | nC |
| Gate to Drain "Miller" Charge | Q_{gd} | | | 0.72 | | nC |
| Forward Diode Voltage | V_{SD} | $I_S=1A, V_{GS}=0V$ | | 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.

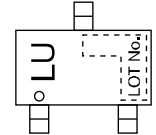
Ordering & Package Information

| Device | Package | Shipping | note |
|--------------|-------------------------------|----------------------|--------------------------------|
| CPH3462-TL-W | CPH3, SC-59 SOT-23, TO-236 | 3,000 pcs. / reel | Pb-Free and Halogen Free |

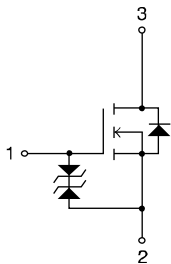
Packing Type: TL



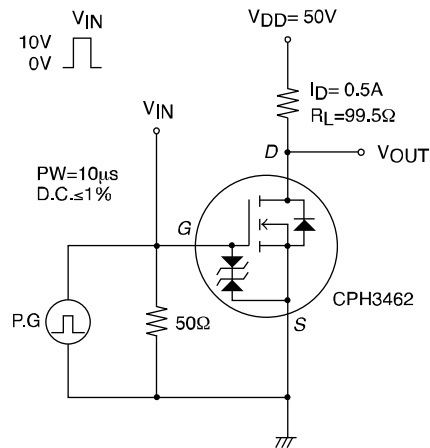
Marking

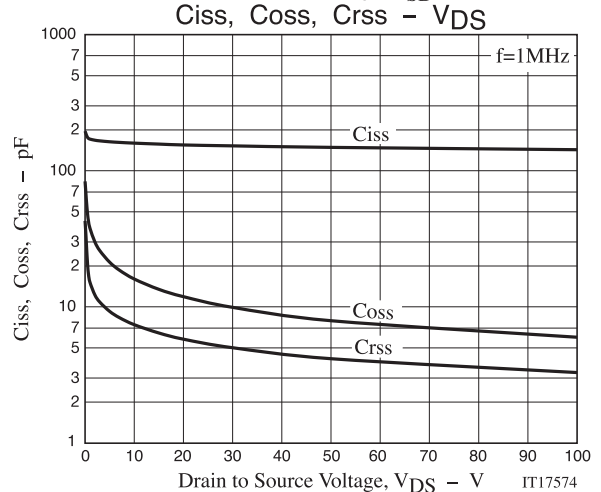
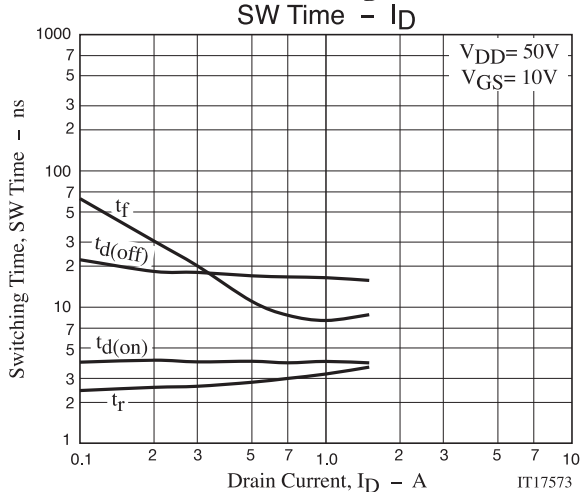
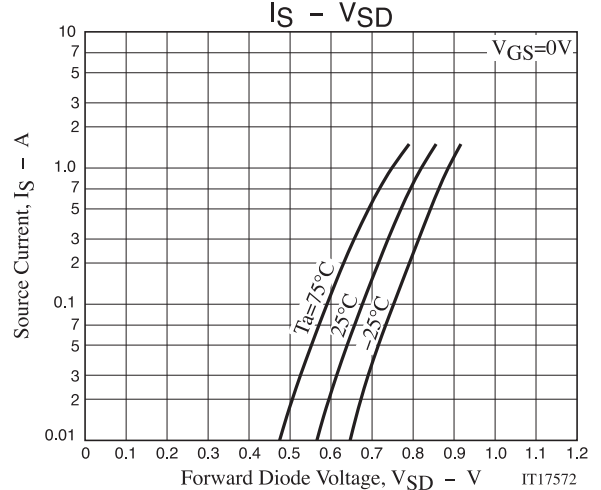
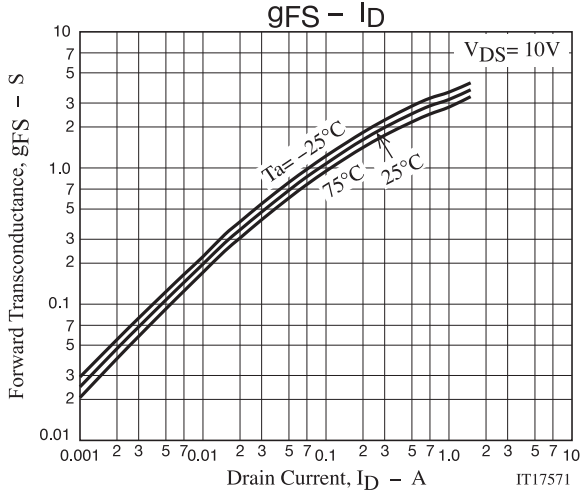
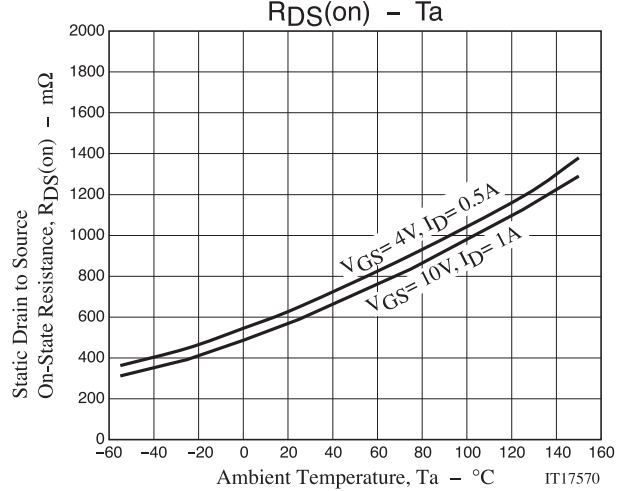
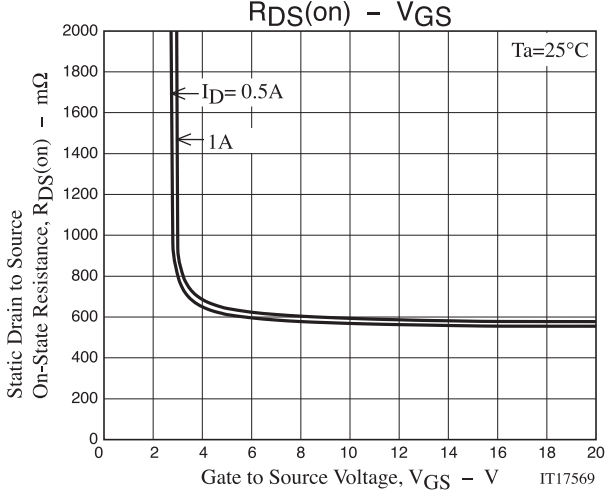
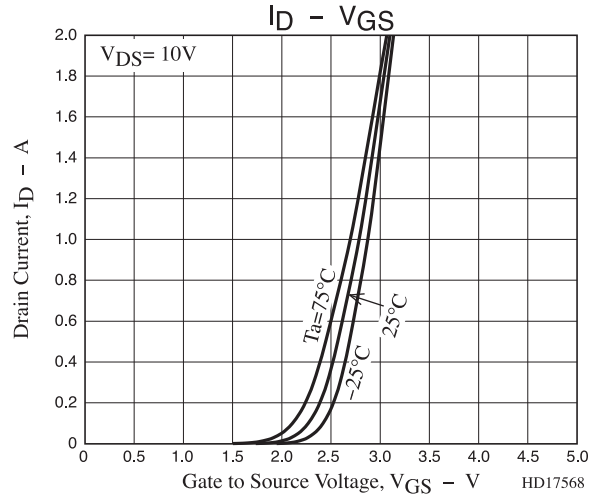
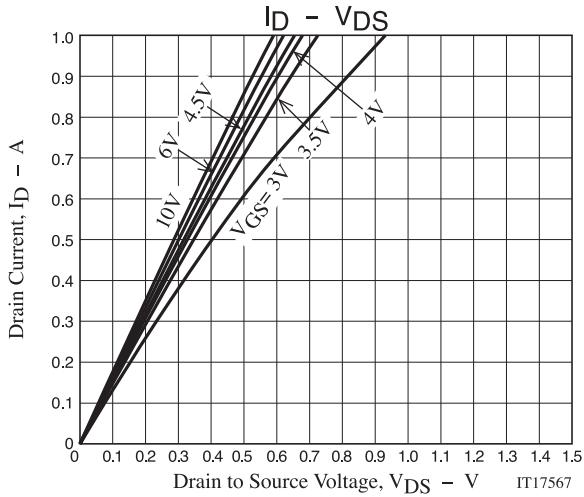


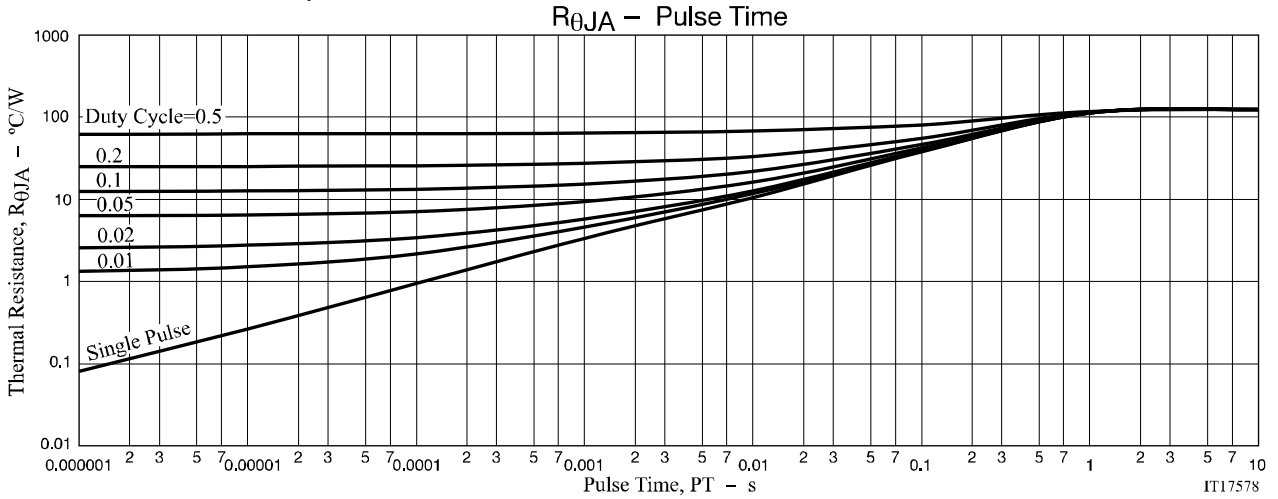
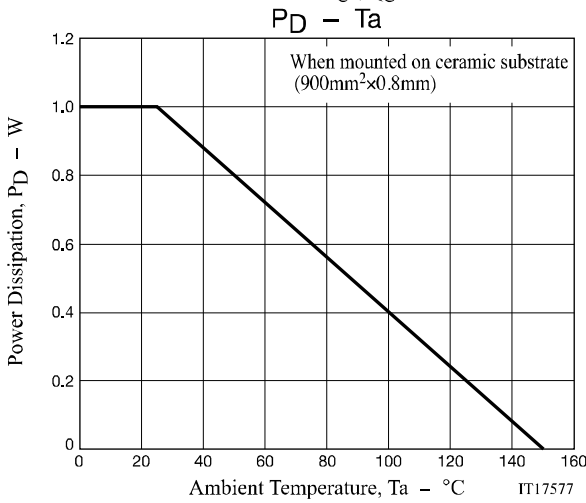
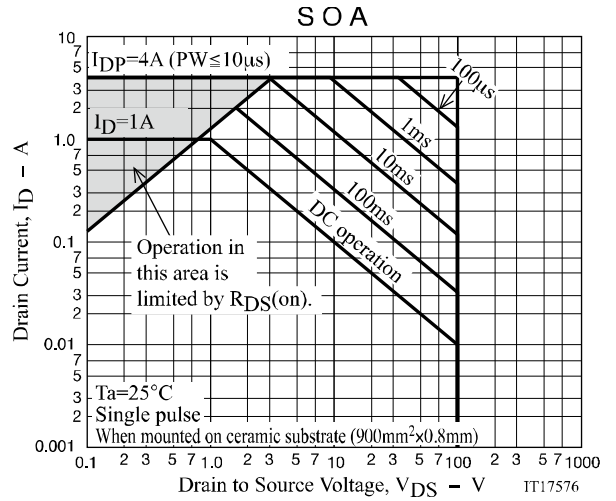
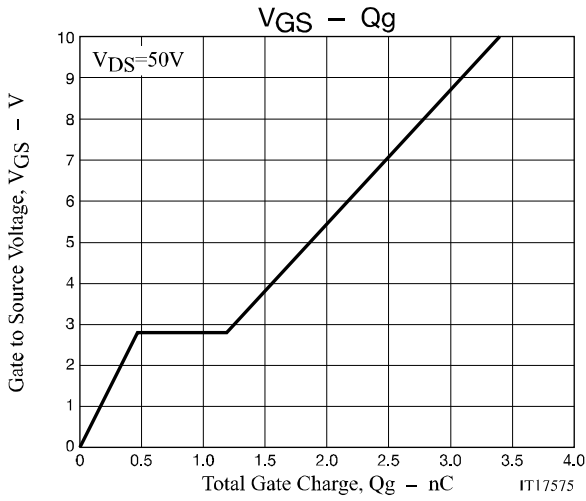
Electrical Connection



Switching Time Test Circuit







CPH3462

Package Dimensions

CPH3462-TL-W

CPH3

CASE 318BA

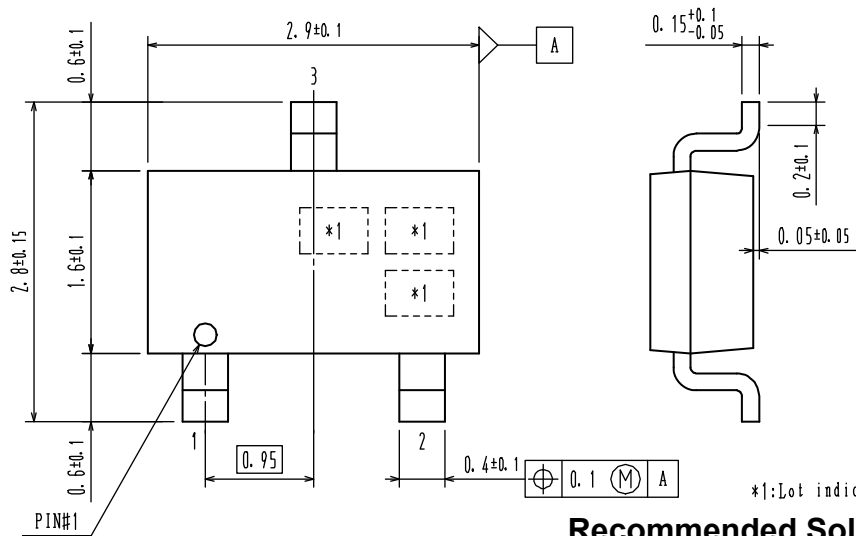
ISSUE O

unit : mm

1: Gate

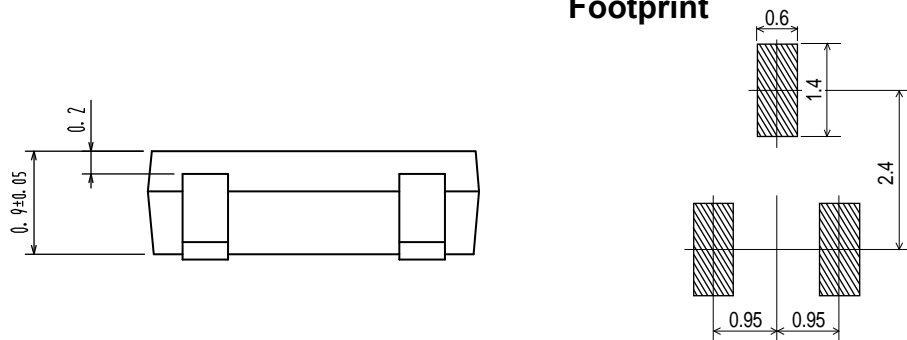
2: Source

3: Drain



*1: Lot indication

Recommended Soldering Footprint



Note on usage : Since the CPH3462 is a MOSFET product, please avoid using this device in the vicinity of highly charged objects.

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