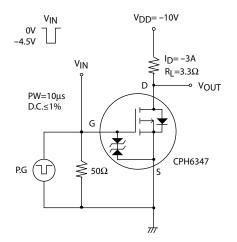
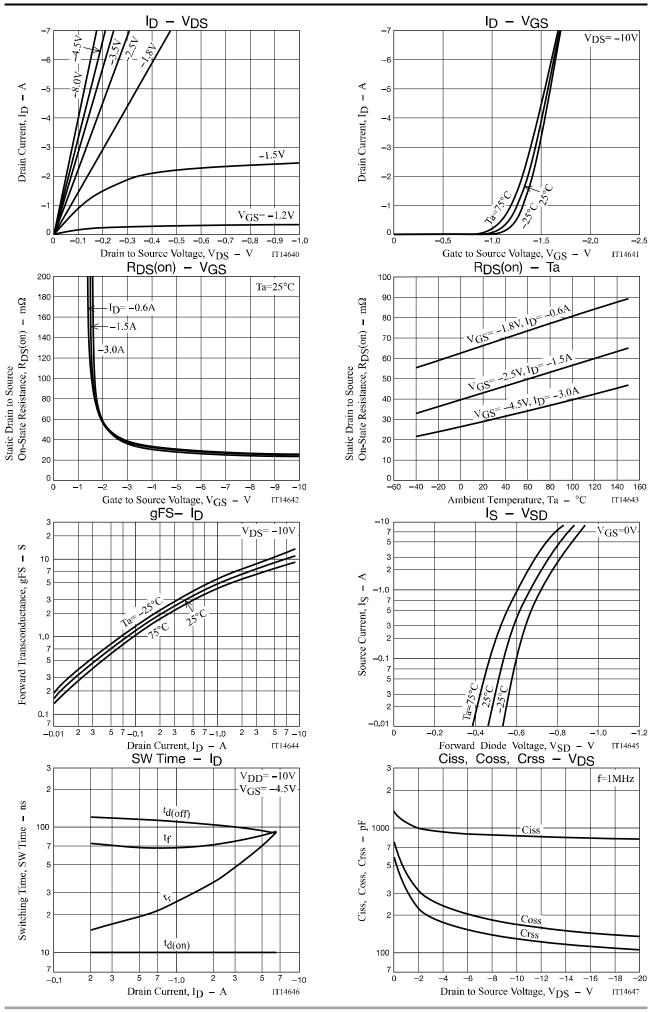
Electrical Characteristics at $Ta = 25^{\circ}C$

Parameter	Symbol			Value		
		Conditions	min	typ	max	Unit
Drain to Source Breakdown Voltage	V(BR)DSS	I _D =-1mA, V _{GS} =0V	-20			V
Zero-Gate Voltage Drain Current	IDSS	V _{DS} =-20V, V _{GS} =0V			-1	μA
Gate to Source Leakage Current	IGSS	V _{GS} =±8V, V _{DS} =0V			±10	μA
Gate Threshold Voltage	V _{GS} (th)	V _{DS} =-10V, I _D =-1mA	-0.4		-1.4	V
Forward Transconductance	9FS	V _{DS} =-10V, I _D =-3A	4.3	7.3		S
Static Drain to Source On-State Resistance	R _{DS} (on)1	I _D =-3A, V _{GS} =-4.5V		30	39	mΩ
	R _{DS} (on)2	I _D =-1.5A, V _{GS} =-2.5V		44	66	mΩ
	R _{DS} (on)3	I _D =-0.6A, V _{GS} =-1.8V		68	102	mΩ
Input Capacitance	Ciss	V _{DS} =-10V, f=1MHz		860		pF
Output Capacitance	Coss			170		pF
Reverse Transfer Capacitance	Crss	7		130		pF
Turn-ON Delay Time	t _d (on)	See specified Test Circuit		10		ns
Rise Time	tr			48		ns
Turn-OFF Delay Time	t _d (off)			100		ns
Fall Time	tf	7		78		ns
Total Gate Charge	Qg	V _{DS} =-10V, V _{GS} =-4.5V, I _D =-6A		10.5		nC
Gate to Source Charge	Qgs			2.0		nC
Gate to Drain "Miller" Charge	Qgd	7		3.0		nC
Forward Diode Voltage	V _{SD}	IS=-6A, VGS=0V		-0.82	-1.5	V

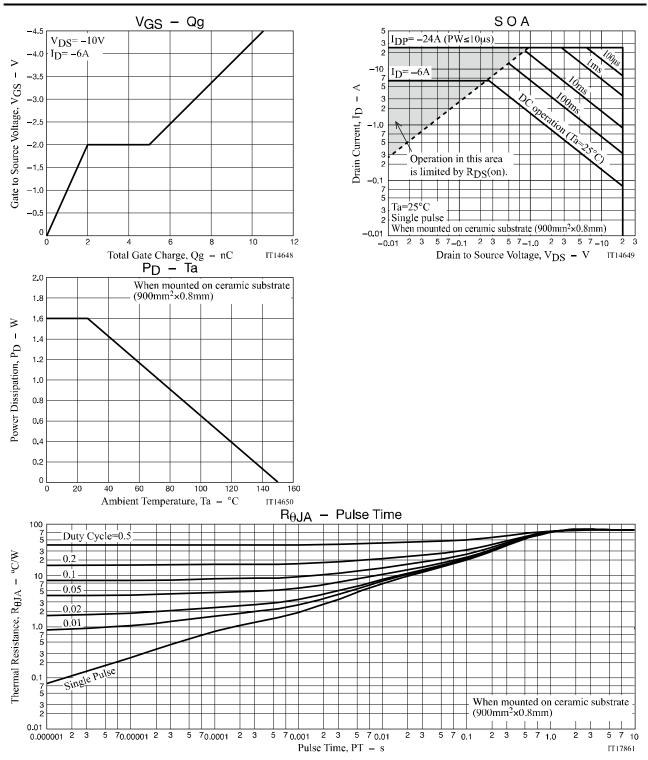
Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

Switching Time Test Circuit





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Package Dimensions

CPH6347-TL-H / CPH6347-TL-W

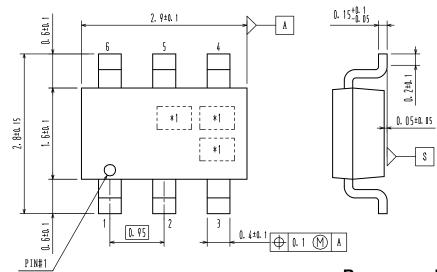
CPH6

CASE 318BD ISSUE O

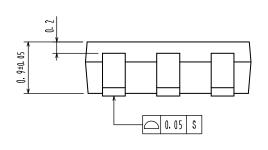
Unit : mm

- 1 : Drain
- 2 : Drain
- 3 : Gate
- 4 : Source
- 5 : Drain

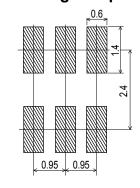
6 : Drain



*1:Lot indication







ORDERING INFORMATION

Device	Package	Shipping	Note
CPH6347-TL-H	CPH6	3,000 pcs. / Tape & Reel	Pb-Free and
CPH6347-TL-W	SC-74,SOT-26,SOT-457	0,000 pcs. / Tape & Reel	Halogen Free

† For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specifications Brochure, BRD8011/D. http://www.onsemi.com/pub_link/Collateral/BRD8011-D.PDF

Note on usage : Since the CPH6347 is a MOSFET product, please avoid using this device in the vicinity of highly charged objects.

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