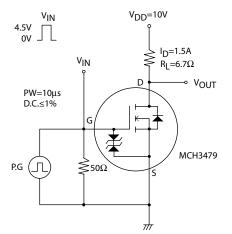
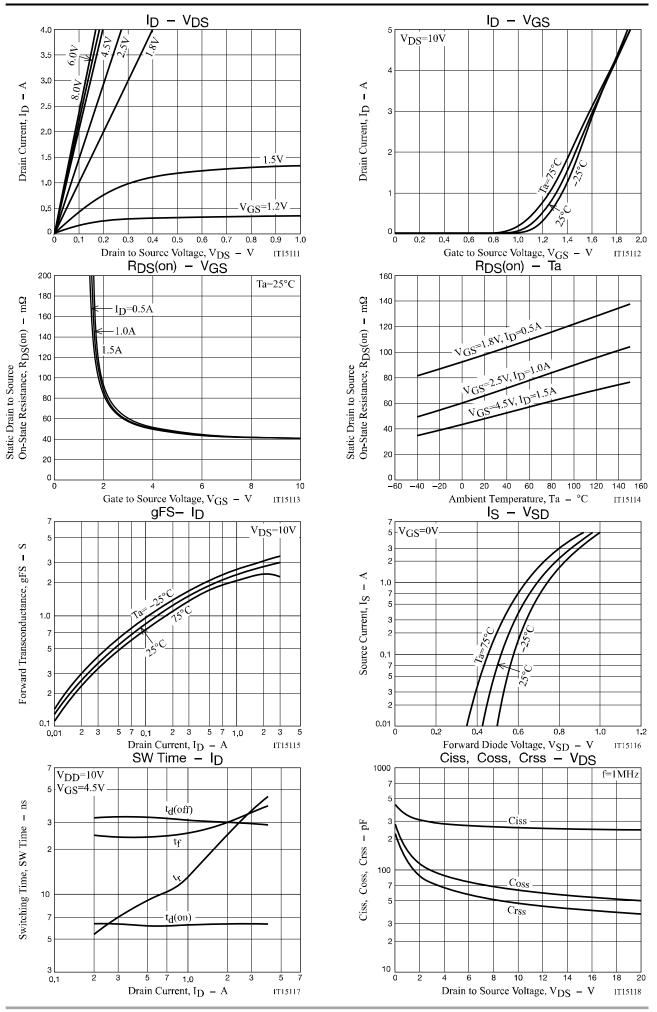
Electrical Characteristics at $Ta = 25^{\circ}C$

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	$V_{GS}=\pm 8V, V_{DS}=0V$			±10	μΑ
Gate Threshold Voltage	V _{GS} (th)	V _{DS} =10V, I _D =1mA	0.4		1.3	V
Forward Transconductance	9FS	V _{DS} =10V, I _D =1.5A		2.8		S
Static Drain to Source On-State Resistance	R _{DS} (on)1	I _D =1.5A, V _{GS} =4.5V		49	64	mΩ
	R _{DS} (on)2	I _D =1A, V _{GS} =2.5V		68	95	mΩ
	R _{DS} (on)3	I _D =0.5A, V _{GS} =1.8V		99	149	mΩ
Input Capacitance	Ciss	V _{DS} =10V, f=1MHz		260		pF
Output Capacitance	Coss			65		pF
Reverse Transfer Capacitance	Crss			50		pF
Turn-ON Delay Time	t _d (on)	See specified Test Circuit		6.2		ns
Rise Time	tr			19		ns
Turn-OFF Delay Time	t _d (off)			30		ns
Fall Time	tf			28		ns
Total Gate Charge	Qg	V _{DS} =10V, V _{GS} =4.5V, I _D =3.5A		2.8		nC
Gate to Source Charge	Qgs			0.6		nC
Gate to Drain "Miller" Charge	Qgd	7		0.9		nC
Forward Diode Voltage	V _{SD}	I _S =3.5A, V _{GS} =0V		0.85	1.2	V

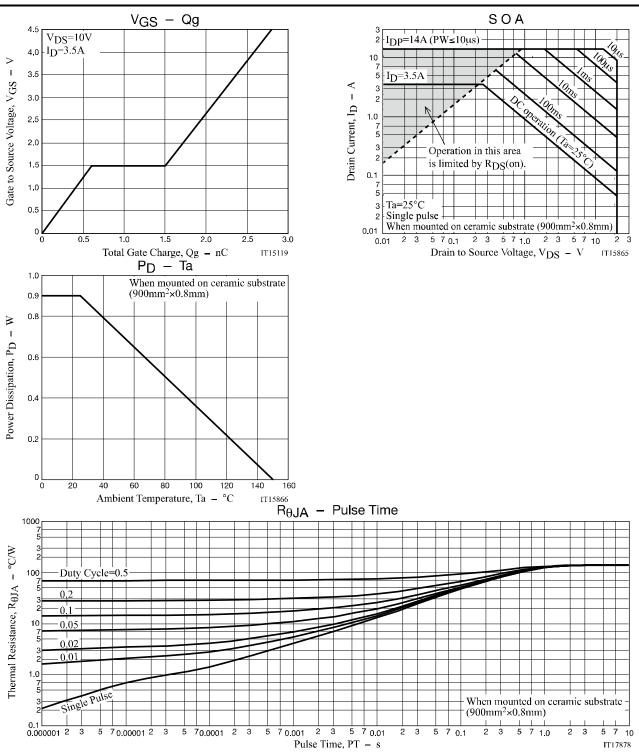
Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

Switching Time Test Circuit





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Package Dimensions

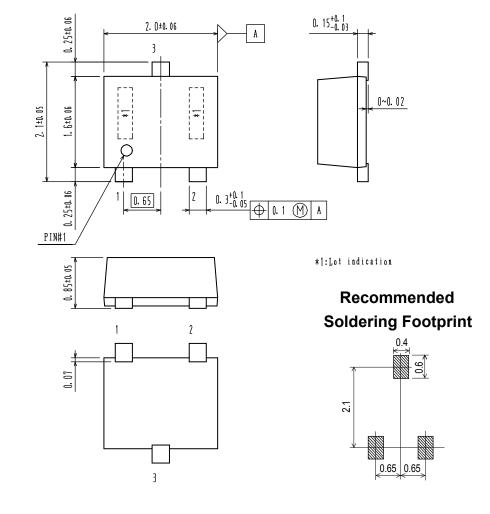
MCH3479-TL-H / MCH3479-TL-W

MCPH3

CASE 419AQ ISSUE O

unit : mm

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



ORDERING INFORMATION

Device	Package	Shipping	Note	
MCH3479-TL-H	MCPH3	3,000 pcs. / Tape & Reel	Pb-Free and Halogen Free	
MCH3479-TL-W	SC-70FL, SOT-323	3,000 pcs. / Tape & Reel		

† 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 MCH3479 is a MOSFET product, please avoid using this device in the vicinity of highly charged objects.

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