

PCP1403

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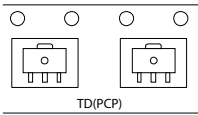
Parameter	Symbol	Conditions	Value			Unit
			min	typ	max	
Turn-ON Delay Time	$t_{d(on)}$	See specified Test Circuit		5.6		ns
Rise Time	t_r			7.0		ns
Turn-OFF Delay Time	$t_{d(off)}$			26		ns
Fall Time	t_f			14		ns
Total Gate Charge	Q_g	$V_{DS}=30V, V_{GS}=10V, I_D=4.5A$		6.7		nC
Gate to Source Charge	Q_{gs}			1.0		nC
Gate to Drain "Miller" Charge	Q_{gd}			1.6		nC
Forward Diode Voltage	V_{SD}	$I_S=4.5A, V_{GS}=0V$		0.88	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.

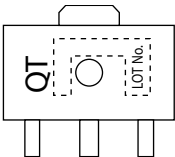
Ordering & Package Information

Device	Package	Shipping	note
PCP1403-TD-H	PCP, SC-62 SOT-89, TO-243	1,000 pcs. / reel	Pb-Free and Halogen Free

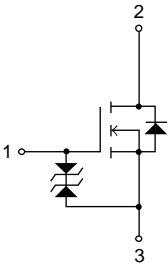
Packing Type:TD



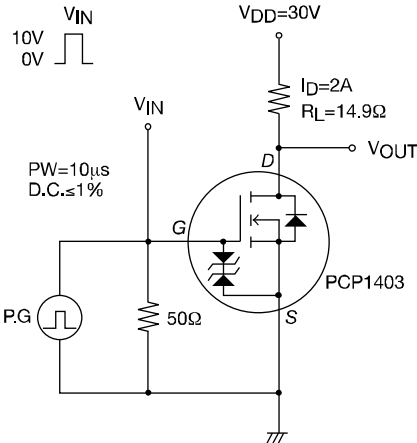
Marking

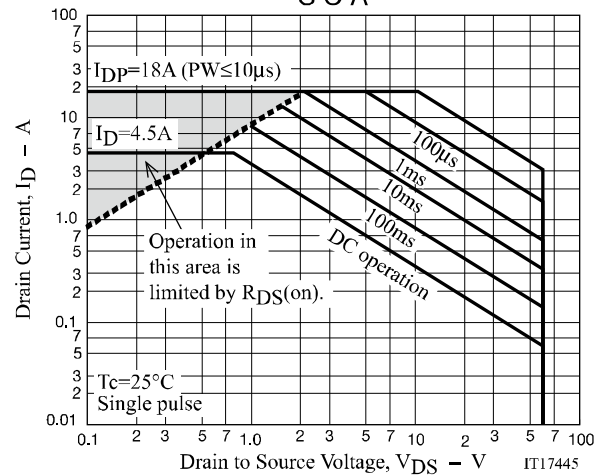
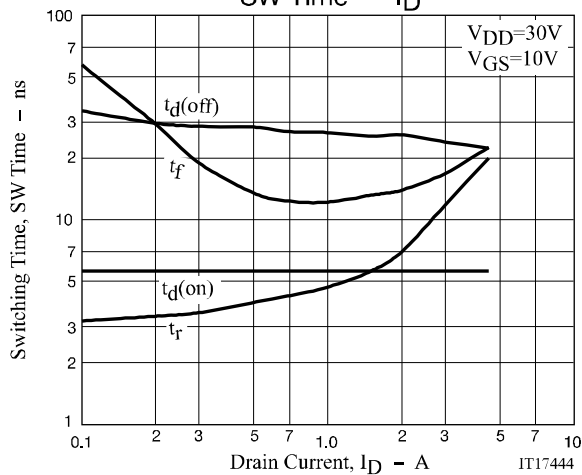
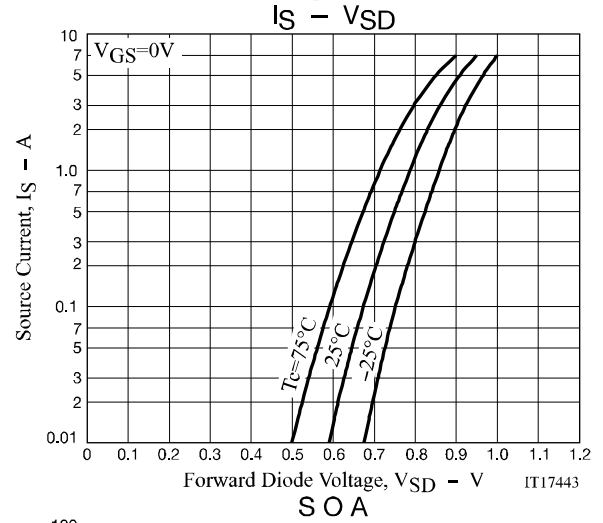
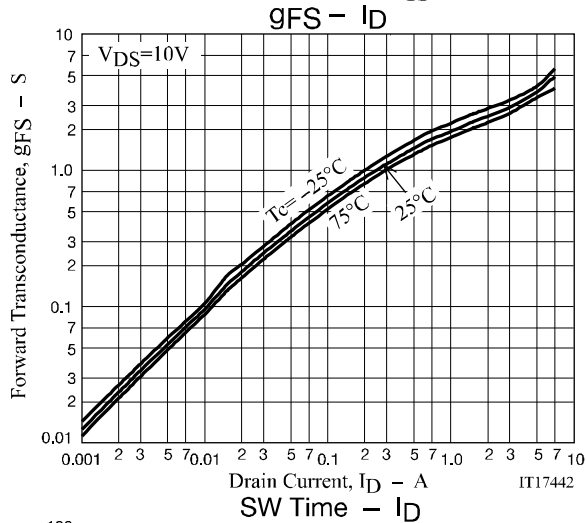
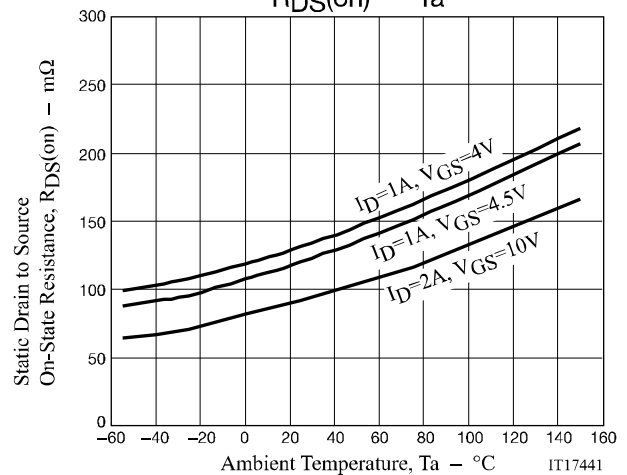
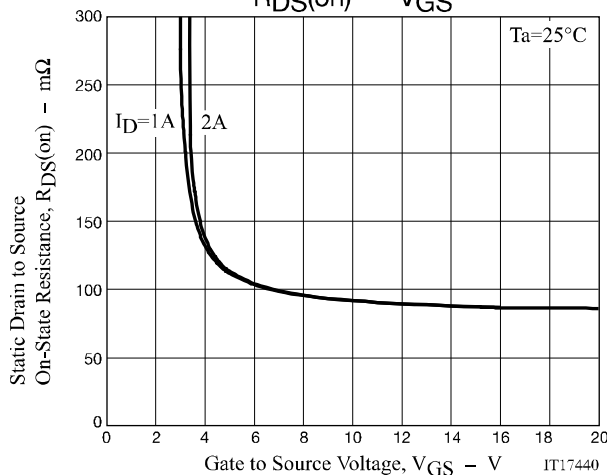
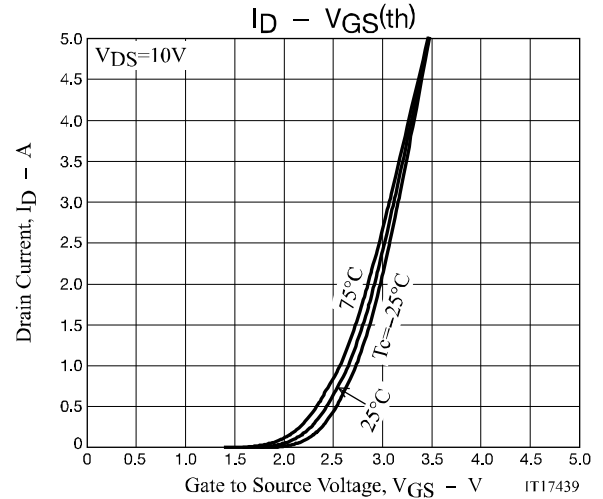
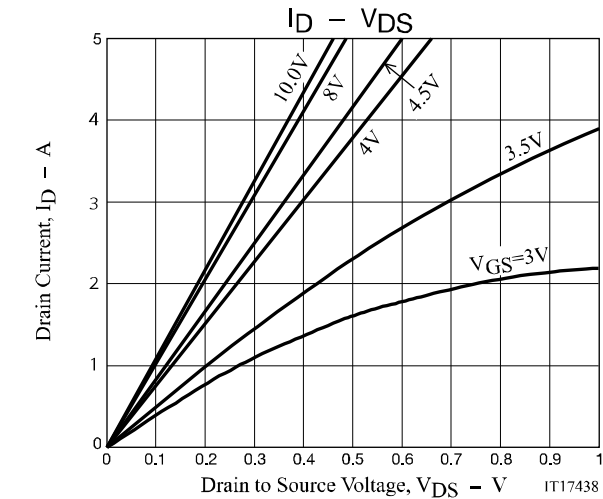


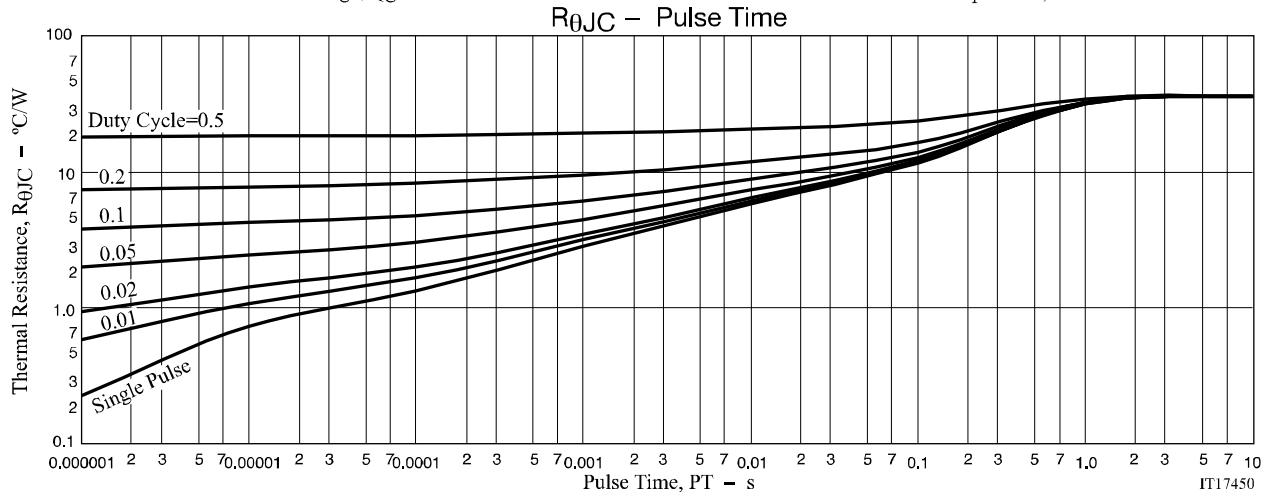
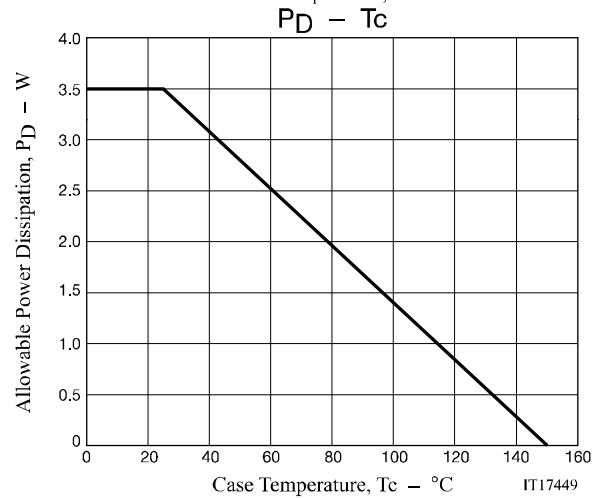
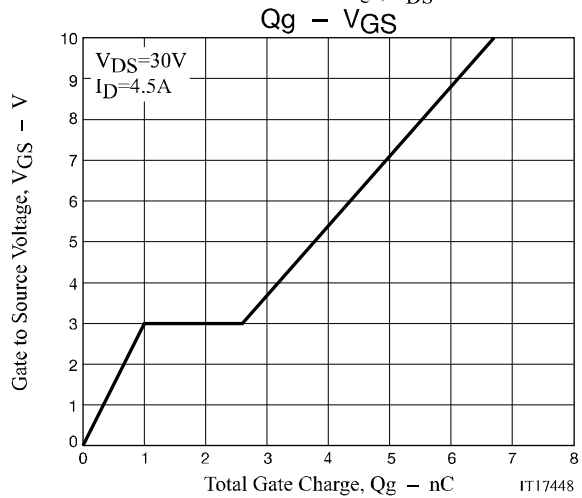
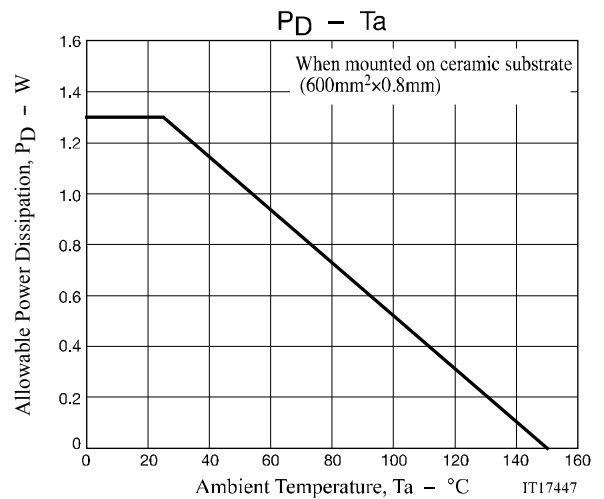
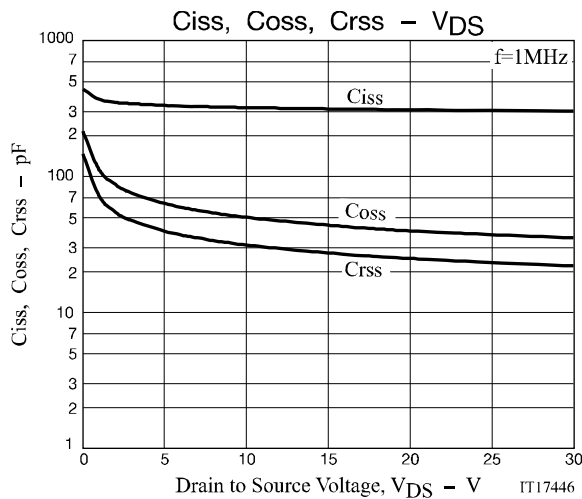
Electrical Connection



Switching Time Test Circuit







Package Dimensions

PCP1403-TD-H

SOT-89/PCP-1

CASE 419AU

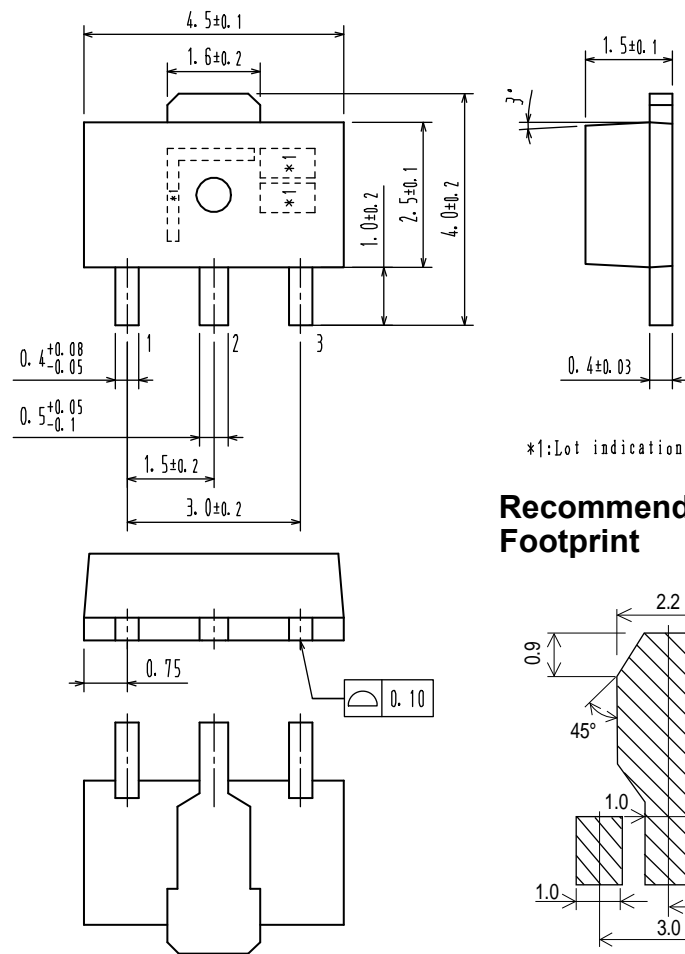
ISSUE O

Unit : mm

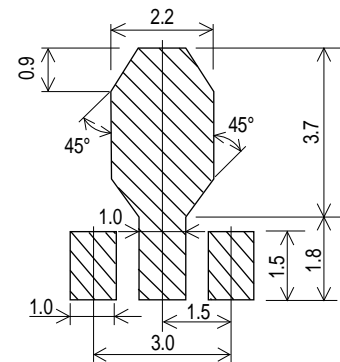
1: Gate

2: Drain

3: Source



Recommended Soldering Footprint



Note on usage : Since the PCP1403 is a MOSFET product, please avoid using this device in the vicinity of highly charged objects.

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