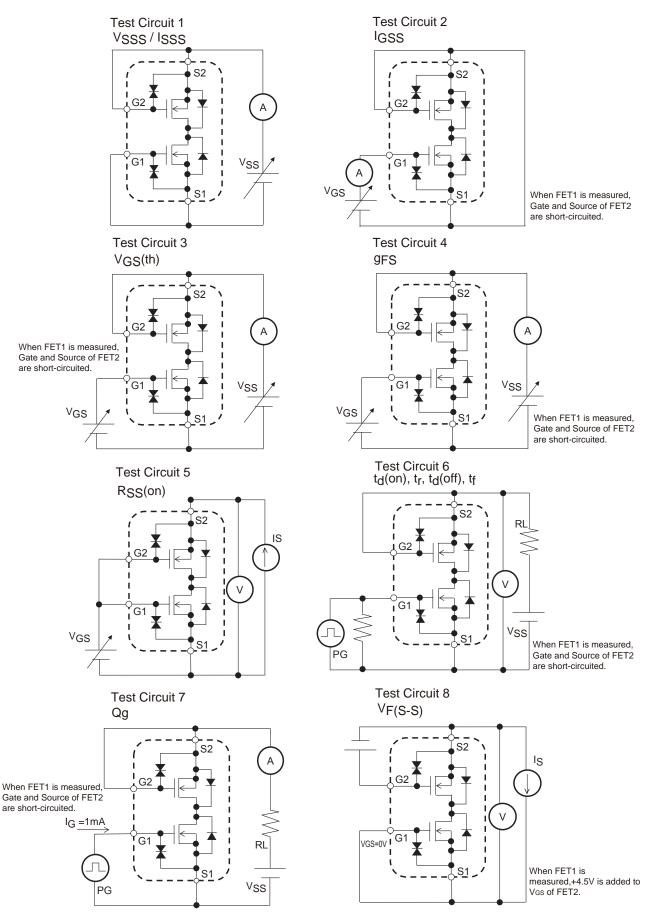
EFC6611R

ELECTRICAL CHARACTERISTICS at Ta = 25°C (Note 2)

Devenueter	O make at	O an altheorem		Value			
Parameter	ameter Symbol Conditions			min	typ	max	Unit
Source to Source Breakdown Voltage	V(BR)SSS	IS=1mA, VGS=0V	Test Circuit 1	12			V
Zero-Gate Voltage Source Current	ISSS	VSS=10V, VGS=0V	Test Circuit 1			1	μA
Gate to Source Leakage Current	IGSS	VGS=±8V, VSS=0V	Test Circuit 2			±1	μA
Gate Threshold Voltage	VGS(th)	VSS=6V, IS=1mA	Test Circuit 3	0.5		1.3	V
Forward Transconductance	9FS	VSS=6V, IS=3A	Test Circuit 4		19		S
Static Source to Source On-State Resistance	RSS(on)1	IS=5A, VGS=4.5V	Test Circuit 5	1.8	2.3	3.2	mΩ
	R _{SS} (on)2	IS=5A, VGS=4.0V	Test Circuit 5	1.9	2.4	3.2	mΩ
	RSS(on)3	IS=5A, VGS=3.8V	Test Circuit 5	2.0	2.6	3.2	mΩ
	RSS(on)4	IS=5A, VGS=3.1V	Test Circuit 5	2.1	3.3	4.4	mΩ
	RSS(on)5	IS=5A, VGS=2.5V	Test Circuit 5	2.7	4.0	6.3	mΩ
Turn-ON Delay Time	t _d (on)				80		ns
Rise Time	tr		Test Circuit 6		570		ns
Turn-OFF Delay Time	t _d (off)	V _{SS} =6V, V _{GS} =4.5V, I _S =3A			38,000		ns
Fall Time	tf				17,700		ns
Total Gate Charge	Qg	VSS=6V, VGS=4.5V, IS=27A	Test Circuit 7		100		nC
Forward Source to Source Voltage	VF(S-S)	IS=3A, VGS=0V	Test Circuit 8		0.75	1.2	V

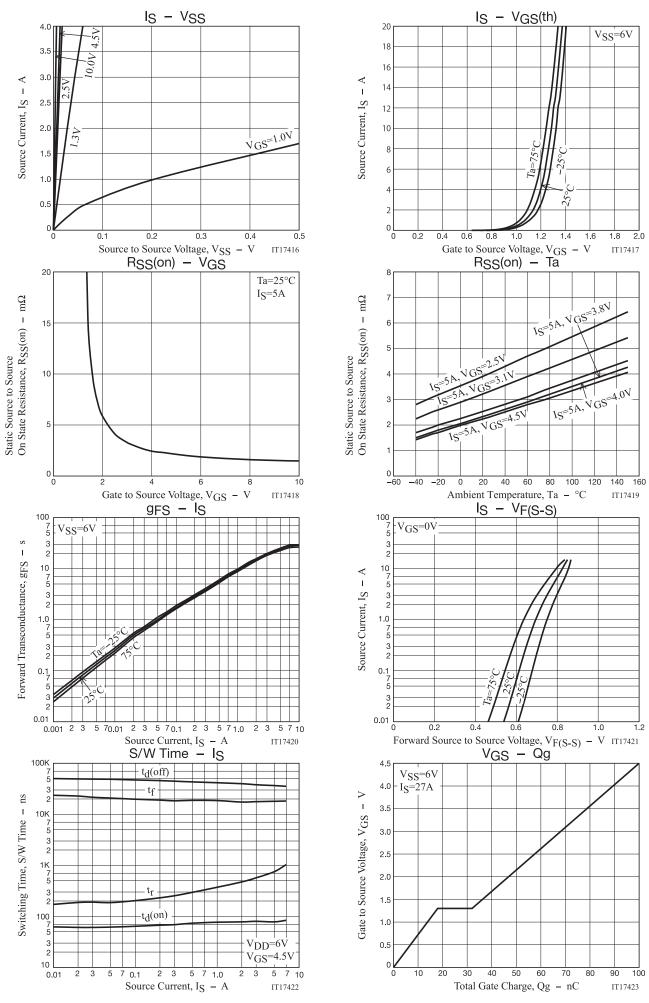
Note 2 : Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

Test circuits are example of measuring FET1 side



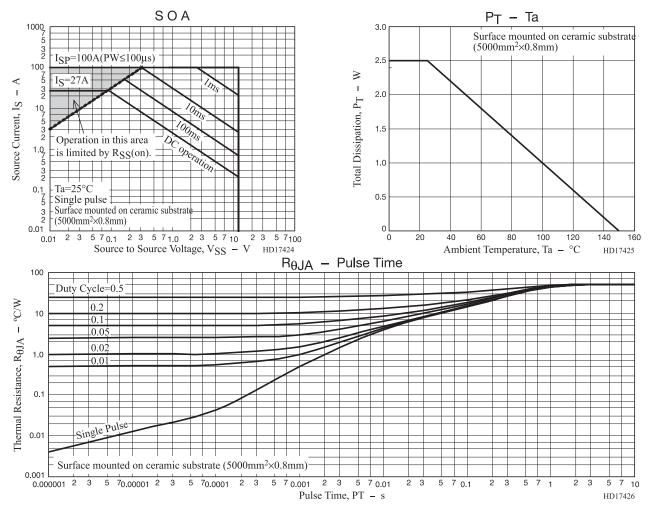
When FET2 is measured, the position of FET1 and FET2 is switched.

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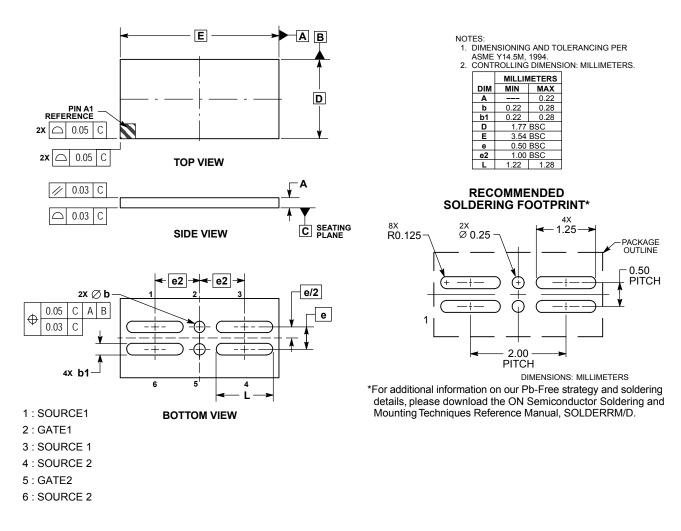
EFC6611R



CSP6, 1.77x3.54 / EFCP3517-6DGH-020

CASE 568AL

ISSUE O



ORDERING INFORMATION

Device	Marking	Package	Shipping (Qty / Packing)
EFC6611R-TF	ML	CSP6, 1.77x3.54 / EFCP3517-6DGH-020 (Pb-Free / Halogen Free)	5,000 / 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 EFC6611R is a MOSFET product, please avoid using this device in the vicinity of highly charged objects. Please contact sales for use except the designated application.

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