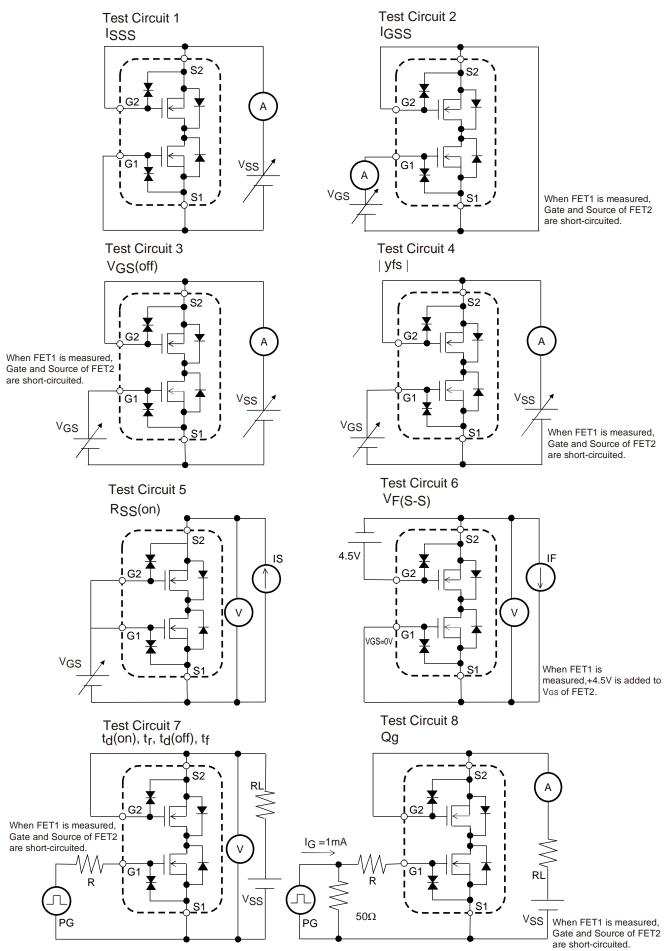
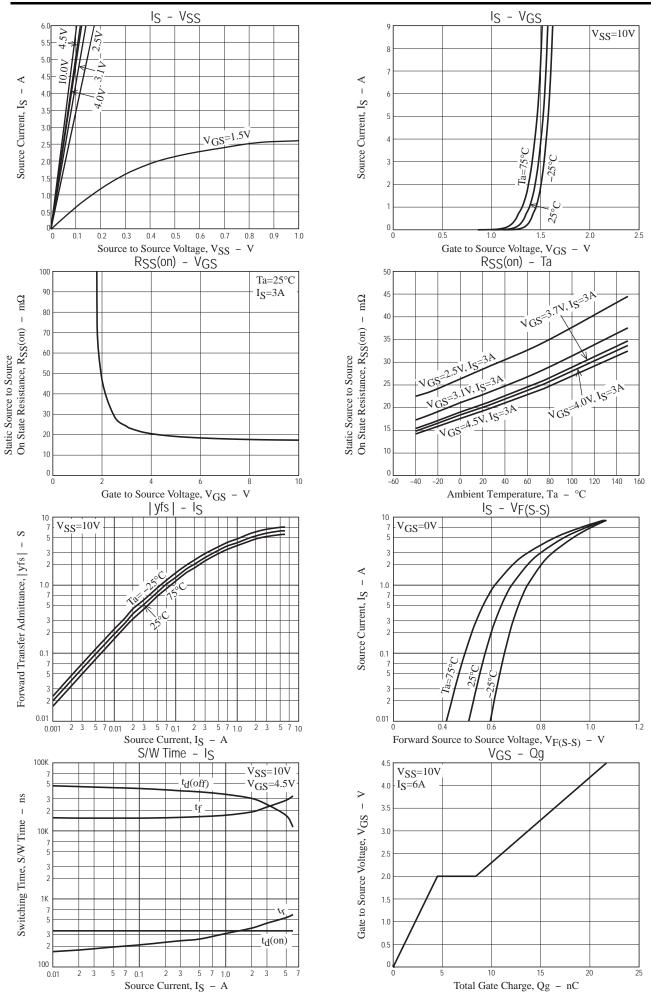
Electrical Characteristics at $Ta = 25^{\circ}C$

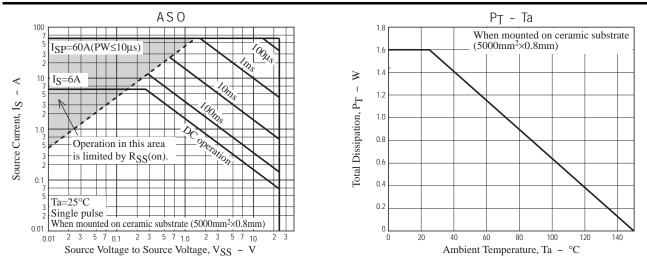
Duranta	Symbol	Conditions		Ratings			
Parameter				min	typ	max	Unit
Source to Source Breakdown Voltage	V(BR)SSS	I _S =1mA, V _{GS} =0V	Test Circuit 1	24			V
Zero-Gate Voltage Source Current	ISSS	V _{SS} =20V, V _{GS} =0V	Test Circuit 1			1	μΑ
Gate to Source Leakage Current	IGSS	V _{GS} =±8V, V _{SS} =0V	Test Circuit 2			±1	μΑ
Cutoff Voltage	V _{GS} (off)	V _{SS} =10V, I _S =1mA	Test Circuit 3	0.5		1.3	V
Forward Transfer Admittance	yfs	VSS=10V, IS=3A	Test Circuit 4		5.8		S
Static Source to Source On-State Resistance	RSS(on)1	IS=3A, VGS=4.5V	Test Circuit 5	13.5	19.8	23	mΩ
	R _{SS} (on)2	IS=3A, VGS=4.0V	Test Circuit 5	14	20.5	24	mΩ
	R _{SS} (on)3	IS=3A, VGS=3.7V	Test Circuit 5	14.5	21	25.5	mΩ
	R _{SS} (on)4	IS=3A, VGS=3.1V	Test Circuit 5	14.9	23	30	mΩ
	RSS(on)5	IS=3A, VGS=2.5V	Test Circuit 5	18.5	27	35	mΩ
Turn-ON Delay Time	t _d (on)	V _{SS} =10V, V _{GS} =4.5V, I _S =3A Test Circuit 7			340		ns
Rise Time	tr				440		ns
Turn-OFF Delay Time	t _d (off)				24400		ns
Fall Time	tf				22400		ns
Total Gate Charge	Qg	V _{SS} =10V, V _{GS} =4.5V, I _S	=6A Test Circuit 8		21.7		nC
Forward Source to Source Voltage	VF(S-S)	IS=3A, VGS=0V	Test Circuit 6		0.8	1.2	V

EFC4619R

Test circuits are example of measuring FET1 side



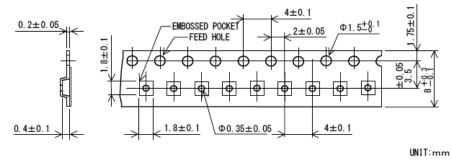




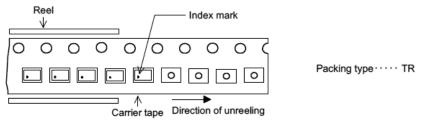
Taping Specification EFC4619R-TR

1. Taping Configuration

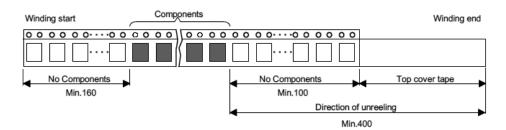
1-1.Carrier Tape Size (unit:mm)



1-2.Device Placement Direction



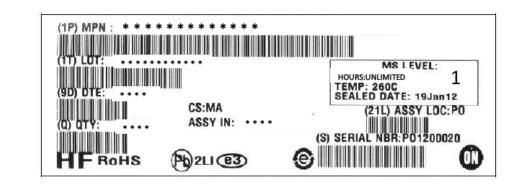
1-3 .Leader portion and Trailer portion (unit:mm)



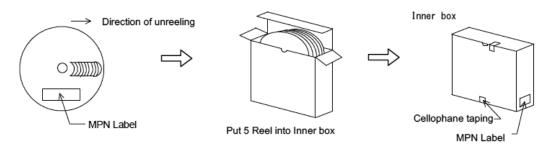
Packing Format

Carrier Tape code	Package code	Maximum Number of devices contained. (pcs.)		Packing Format		
		Reel	Inner box		Inner box BOX(C-1)	
1818X04	EFCP1616-4CE-022	5,000	25,000		5reels contained. Dimensions:mm 183×72×185	

MPN Label

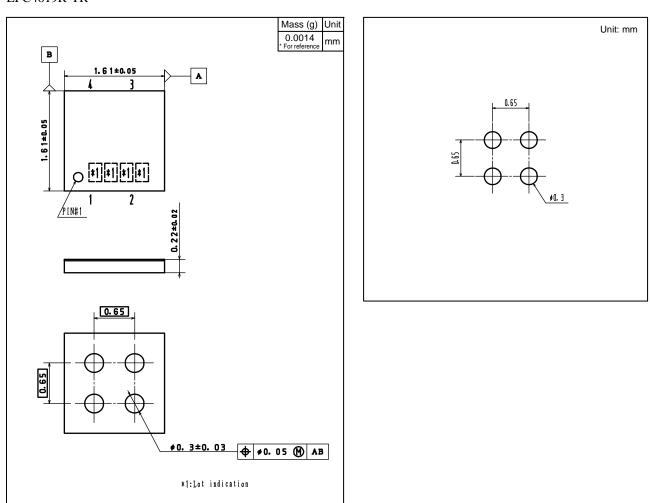


Packing Method



Land Pattern Example

Outline Drawing EFC4619R-TR



Note on usage : Since the EFC4619R is a MOSFET product, please avoid using this device in the vicinity of highly charged objects.

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