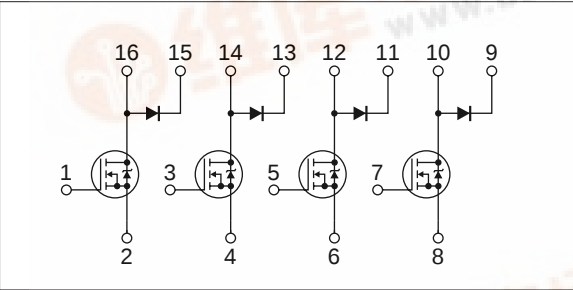


Absolute maximum ratings

(Ta=25°C)

Symbol	Ratings	Unit
Vbss	60	V
Vgss	±10	V
Id	±2	A
Id(pulse)	±3 (PW≤100μs, Du≤1%)	A
If	1.5	A
Ifsm	2.5 (PW≤0.5ms, Du≤10%)	A
VR	120	V
PT	3 (Ta=25°C, 4-circuit operation)	W
Tch	150	°C
Tstg	-40 to +150	°C

Equivalent circuit diagram



Electrical characteristics

(Ta=25°C)

Symbol	Specification			Unit	Conditions
	min	typ	max		
V(BR)DSS	60			V	Id=250μA, Vgs=0V
Igss			±500	nA	Vgs=±10V
Idss			250	μA	Vds=60V, Vgs=0V
VTH	1.0		2.0	V	Vds=10V, Id=250μA
Re(yfs)	1.2			S	Vds=10V, Id=1.0A
RDS(ON)		0.19	0.24	Ω	Vgs=10V, Id=1.0A
		0.25	0.30	Ω	Vgs=4V, Id=1.0A
Ciss		400		pF	Vds=25V,
Coss		160		pF	f=1.0MHz,
Crss		35		pF	Vgs=0V
VSD		1.0	1.5	V	ISD=2A, Vgs=0V
trr		150		ns	ISD=±100mA

Diode for flyback voltage absorption

Symbol	Specification			Unit	Conditions
	min	typ	max		
VR	120			V	Ir=10μA
VF			1.6	V	If=1A
IR			100	Ω	VR=120V
trr		100		ns	If=±100mA

Characteristic curves