

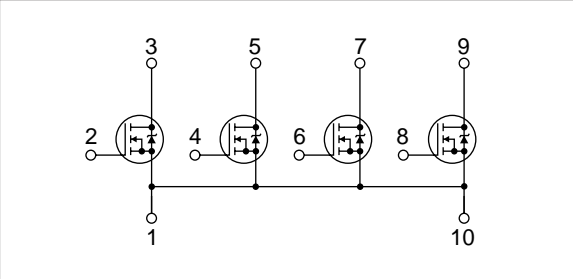
Absolute maximum ratings (Ta=25°C)

Symbol	Ratings	Unit
V _{DSS}	60	V
V _{GSS}	±20	V
I _D	±4	A
I _{D(pulse)}	±8 (PW≤100μs, Du≤1%)	A
P _T	4 (Ta=25°C)	W
	20 (Tc=25°C)	W
T _{ch}	150	°C
T _{stg}	−40 to +150	°C

Electrical characteristics (Ta=25°C)

Symbol	Specification			Unit	Conditions
	min	typ	max		
V _{(BR)DSS}	60			V	I _D =100μA, V _{GS} =0V
I _{GSS}			±100	nA	V _{GS} =±20V
I _{DSS}			100	μA	V _{DS} =60V, V _{GS} =0V
V _{TH}	2.0		4.0	V	V _{DS} =10V, I _D =250μA
Re _(yfs)	1.2			S	V _{DS} =10V, I _D =2A
R _{DS(ON)}		0.33	0.45	Ω	V _{GS} =10V, I _D =2A
C _{iss}		120		pF	V _{DS} =25V, f=1.0MHz, V _{GS} =0V
C _{oss}		60		pF	
C _{rss}		14		pF	
V _{SD}		1.1	1.5	V	I _{SD} =4A, V _{GS} =0V
t _{rr}		100		ns	I _{SD} =±100mA

Equivalent circuit diagram



Characteristic curves