

STA505A

查询STA505A供应商

N-channel

捷多邦, 专业PCB打样工厂, 24小时加急出货

General purpose

External dimensions  STA400

Absolute maximum ratings

(Ta=25°C)

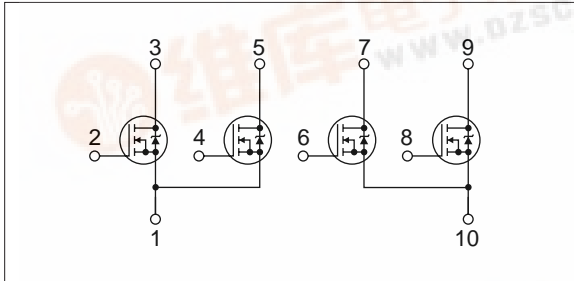
Symbol	Ratings	Unit
V _{DSS}	100	V
V _{GSS}	±20	V
I _D	±3	A
I _D (pulse)	±12 (PW≤100μs, Du≤1%)	A
P _T	4 (Ta=25°C)	W
	20 (Tc=25°C)	W
T _{ch}	150	°C
T _{stg}	-40 to +150	°C

Electrical characteristics

(Ta=25°C)

Symbol	Specification			Unit	Conditions
	min	typ	max		
V _{(BR)DSS}	100			V	I _D =100μA, V _{GS} =0V
I _{GSS}			±100	nA	V _{GS} =±20V
I _{DSS}			100	μA	V _{DS} =100V, V _{GS} =0V
V _{TH}	1.0		2.0	V	V _{DS} =10V, I _D =250μA
R _{e(yf)}	2.0		3.0	S	V _{DS} =10V, I _D =1.5A
R _{DS(ON)}		0.35	0.50	Ω	V _{GS} =10V, I _D =1.5A
		0.40	0.60	Ω	V _{GS} =4V, I _D =1.5A
C _{iss}		240		pF	V _{DS} =25V,
C _{oss}		60		pF	f=1.0MHz,
C _{rss}		12		pF	V _{GS} =0V
V _{SD}		1.0	1.5	V	I _{SD} =3A, V _{GS} =0V
t _{rr}		150		ns	I _{SD} =±100mA

Equivalent circuit diagram



Characteristic curves