

F 15 A 10 G

EUPEC

52E D ■ 3403297 0000292 376 ■ UPEC

Elektrische Eigenschaften

Electrical properties

Thermische Eigenschaften

Thermal properties

R_{thJC}

DC

0,83 °C/W

Höchstzulässige Werte

Maximum rated values

V _{CES}		1000	V
V _{ECS}		5	V
I _C		25	A
I _{CRM}	t _p = 1 ms	50	A
P _{tot}	t _C = 25°C	150	W
V _{GE}		20	V
V _{EG}		20	V

t_{vjmax}

150 °C

t_{vjop}

-40 / +150 °C

t_{stg}

-40 / +125 °C

Mechanische Eigenschaften

Mechanical properties

G

4,6 g

Charakteristische Werte

Characteristic values

V _{CE sat}	i _{CM} = 15 A, v _{GE} = 15 V, t _{vj} = 25°C	typ. 3	V
	i _{CM} = 15 A, v _{GE} = 15 V, t _{vj} = 25°C	max. 5	V
V _{GE (th)}	v _{CE} = 5 V, i _C = 15 mA, t _{vj} = 25°C	min. 3	V
	v _{CE} = 5 V, i _C = 15 mA, t _{vj} = 25°C	max. 6	V
C _{GE}	v _{CE} = 10 V, v _{GE} = 0 V, f _o = 1 MHz, t _{vj} = 25°C	typ. 1,5	nF
i _{CES}	v _{CE} = 1000 V, v _{GE} = 0 V, t _{vj} = 25°C	typ. 0,2	mA
	v _{CE} = 1000 V, v _{GE} = 0 V, t _{vj} = 125°C	typ. 1	mA
i _{GES}	v _{GE} = 20 V, t _{vj} = 25°C	typ. 50	nA
	v _{GE} = 20 V, t _{vj} = 25°C	max. 500	nA
i _{EGS}	v _{EG} = 20 V, t _{vj} = 25°C	typ. 50	nA
	v _{EG} = 20 V, t _{vj} = 25°C	max. 500	nA
t _{on}	i _{CM} = 15 A, v _{CE} = 600 V, v _{LF} = 15 V, R _G = 100 Ω, t _{vj} = 25°C	typ. 0,4	μs
	i _{CM} = 15 A, v _{CE} = 600 V, v _{LF} = 15 V, R _G = 100 Ω, t _{vj} = 125°C	typ. 0,5	μs
t _s	i _{CM} = 15 A, v _{CE} = 600 V, v _{LF} = 15 V, v _{LR} = 15 V, R _G = 100 Ω, t _{vj} = 25°C	typ. 0,5	μs
	i _{CM} = 15 A, v _{CE} = 600 V, v _{LF} = 15 V, v _{LR} = 15 V, R _G = 100 Ω, t _{vj} = 125°C	typ. 0,7	μs
t _f	i _{CM} = 15 A, v _{CE} = 600 V, v _{LF} = 15 V, v _{LR} = 15 V, R _G = 100 Ω, t _{vj} = 25°C	typ. 0,3	μs
	i _{CM} = 15 A, v _{CE} = 600 V, v _{LF} = 15 V, v _{LR} = 15 V, R _G = 100 Ω, t _{vj} = 125°C	typ. 0,4	μs

