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Datasheet

Description

Features

- Š
- Š Voltage controlled
- Š
- Š
- Š Low gate charge
- Š Low intrinsic capacitance
- Š RoHS compliant
- Š AECQ Qualified

Typical Applications

- Š Over current protection circuits
- Š DC-AC inverters
- Š Switch mode power supplies
- Š Power factor correction modules
- Š Motor drives
- Š Induction heating

Maximum Ratings

Symbol			Units
V_{DS}			V
			A
			A
I_{DM}			A
P_{tot}		254	W
$T_{J,max}$			°C
T_J, T_{STG}			°C
Max. lead temperature for soldering, í l ô _ (Œ } u • (} Œ p0 € Đ Đ CGgÃ	T_L		°C

(1) +20V AC rating applies for turn-on pulses <200ns applied with external R_G > 1 Ω

(2) Limited by $T_{J,max}$

(3) Pulse width t_p limited by $T_{J,max}$

TO-247-3L PACKAGE OUTLINE, PART MARKING AND TUBE SPECIFICATIONS

PACKAGE OUTLINE

SYM				
	MIN	MAX	MIN	MAX
A	0.185	0.209	4.699	5.309
A1	0.087	0.102	2.21	2.61
A2	0.059	0.098	1.499	

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