



## SOT-353 Plastic-Encapsulate Transistors

### UML6N Isolated Transistor and Diode

#### FEATURES

2SC5585 and RB521S-30 chips in a package

#### APPLICATIONS

DC / DC converter

Motor driver

#### FEATURES

1) Tr : Low VCE(sat)

Di : Low VF

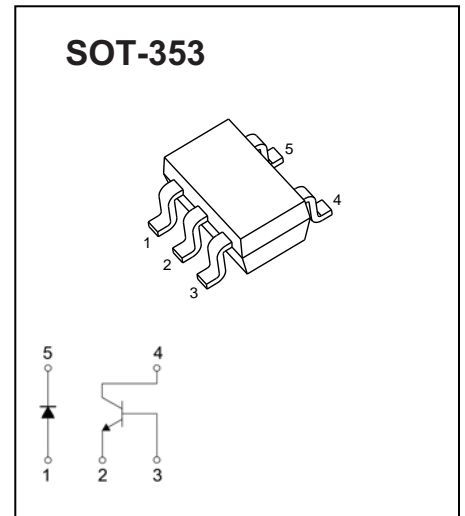
2) Small package

#### STRUCTURE

Silicon epitaxial planar transistor

Schottky barrier diode

Marking: L6



#### Absolute maximum ratings (Ta=25°C)

##### DI

Parameter	Symbol	Limits	Unit
DC reverse voltage	$V_R$	30	V
Mean rectifying current	$I_o$	200	mA
Peak forward surge current	$I_{FSM}$	1	A
Operating Junction Temperature Range	$T_j$	-40~+125	°C
Storage temperature Range	$T_{stg}$	-55~+150	°C

##### TR

Symbol	Parameter	Limits	Unit
$V_{CBO}$	Collector-Base Voltage	15	V
$V_{CEO}$	Collector-Emitter Voltage	12	V
$V_{EBO}$	Emitter-Base Voltage	6	V
$I_C$	Collector Current -Continuous	500	mA
$P_C$	Collector Dissipation	150	mW
$T_J, T_{STG}$	Operation Junction and Storage Temperature Range	-55~+150	°C





