NPN TRANSISTOR **D2150**

3.0A

SOT-89
1. Base
2. Collector
3. Emitter

- AF OUTPUT AMPLIFIER
- FOR DC-DC CONVERTER
- FOR CAMERA MOTOR DRIVER

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS（Ta=25℃）

PARAMETERS	SYMBOL	MIN	TYP	MAX	UNIT	CONDITION
Collector-Emitter Breakdown Voltage	BVceo	20			V	Ic=1mA
Collector-Base Breakdown Voltage	BVcbo	40			V	Ic=5*u*A
Emitter-Base Breakdown Voltage	BVebo	6			V	Ie=50 μ A
Collector-Base Leakage	Icbo			0.1	*u*A	Vcb=10V
Emitter-Base Leakage	Iebo			0.1	*u*A	Veb=5V
Collector-Emitter Saturation Voltage	Vce（sat）			0.5	V	Ic=2A Ib=0.1A
DC Current Gain	Hfe1 Hfe2	120 150		560		Vce=2V,Ic=0.5A Vce=2V,Ic=2A
Collector Current	Ic			3	A	
Peak Collector Current	Icp			5	A(Pulse)	
Current Gain Bandwidth	f_T		150		MHz	Vcb=6V, Ic=50mA
Output Capacitance	Cob			50	pF	Vcb=20V,Ie=0,f=1MHz
Power Dissipation	Pc			0.75	W	
Junction Temperature	Tj			150	℃	
Storage Temperature	Tstg	-55		150	℃	

STANSON TECHNOLOGY
120 Bentley Square, Mountain View, Ca 94040 USA
TEL: (650) 9389294 FAX: (650) 9389295