

5.0A



TO-92

- AF OUTPUT AMPLIFIER
- FOR DC-DC CONVERTER
- FOR CAMERA ELECTRONIC FLASH UNIT
- HIGH PERFORMANCE AT LOW SUPPLY VOLTAGE
- LOW VCE(SAT)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (Ta=25)

PARAMETERS	SYMBOL	MIN	TYP	MAX	UNIT	CONDITION
Collector-Emitter Breakdown Voltage	BV _{ceo}	20			V	I _c =1mA
Collector-Base Breakdown Voltage	BV _{cb0}	40			V	I _c =5 μA
Emitter-Base Breakdown Voltage	BV _{eb0}	6			V	I _e =50 μA
Collector-Base Leakage	I _{cbo}			0.1	μA	V _{cb} =30V
Emitter-Base Leakage	I _{ebo}			0.1	μA	V _{eb} =5V
Collector-Emitter Saturation Voltage	V _{ce (sat)}			0.5	V	I _c =3A, I _b =0.1A
DC Current Gain	H _{fe1}	340		600		V _{ce} =2V, I _c =0.5A
	H _{fe2}	180				V _{ce} =2V, I _c =4A
Collector Current	I _c			5	A	
Peak Collector Current	I _{cp}			8	A(Pulse)	
Current Gain Bandwidth	f _r		170		MHz	V _{cb} =6V, I _c =50mA
Output Capacitance	C _{ob}			32	pF	V _{cb} =20V, I _e =0, f=1MHz
Power Dissipation	P _c			0.75	W	
Junction Temperature	T _j			150		
Storage Temperature	T _{stg}	-55		150		

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