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**PNP TRANSISTOR****D882**

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**3.0A**

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

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (  $T_a=25$  )

PARAMETERS	SYMBOL	MIN	TYP	MAX	UNIT	CONDITION
Collector-Emitter Breakdown Voltage	$BV_{ceo}$	30			V	$I_c=1mA$
Collector-Base Breakdown Voltage	$BV_{cbo}$	40			V	$I_c=5\mu A$
Emitter-Base Breakdown Voltage	$BV_{ebo}$	5			V	$I_e=50\mu A$
Collector-Base Leakage	$I_{cbo}$			0.1	$\mu A$	$V_{cb}=10V$
Emitter-Base Leakage	$I_{ebo}$			0.1	$\mu A$	$V_{eb}=5V$
Collector-Emitter Saturation Voltage	$V_{ce(sat)}$			0.5	V	$I_c=2A, I_b=0.1A$
DC Current Gain	$H_{fe1}$	80		390		$V_{ce}=2V, I_c=0.5A$
Collector Current	$I_c$			3	A	
Peak Collector Current	$I_{cp}$			5	A(Pulse)	
Current Gain Bandwidth	$f_T$		50		MHz	$V_{cb}=5V, I_c=0.1A$
Output Capacitance	$C_{ob}$			50	pF	$V_{cb}=10V, I_e=0, f=1MHz$
Power Dissipation	$P_c$			1.25	W	
Junction Temperature	$T_j$			150		
Storage Temperature	$T_{stg}$	-55		150		

Classification of  $H_{fe}$ 

Rank	R	O	Y
Range	80-160	100-200	170-390

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