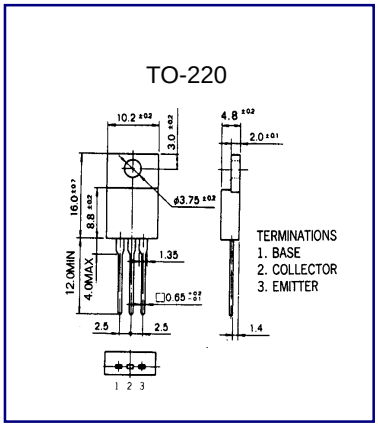
2SC1827 NPN EPITAXIAL SILICON TRANSISTOR

LOW FREQUENCY POWER AMPLIFIER



- Complement to 2SA769

ABSOLUTE MAXIMUM RATINGS (T_A=25℃)

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	V_{CBO}	80	V
Collector-Emitter Voltage	V_{CEO}	80	V
Emitter-Base voltage	V_{EBO}	5	V
Collector Current (DC)	I_C	4	A
Collector Dissipation (Tc=25℃)	P_C	30	W
Junction Temperature	T_j	150	℃
Storage Temperature	Tstg	-50~150	℃

ELECTRICAL CHARACTERISTICS (T_A=25℃)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Collector Cutoff Current	I_{CBO}	V_{CB}= 80V , I_E=0			10	μA
Emitter Cutoff Current	I_{EBO}	V_{EB}= 5V , I_C=0			10	μA
DC Current Gain	h_{FE1}	V_{CE}= 4V , I_C=1A	60		240	
Collector- Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=3A , I_B=0.3A			1.0	V
Current Gain Bandwidth Product	f_T	V_{CE}= 2V , I_C=0.5A		8		MHZ

Wing Shing Computer Components Co., (H.K.)Ltd. Tel:(852)2341 9276 Fax:(852)2797 8153
Homepage: http://www.wingshing.com E-mail: wsccltd@hkstar.com

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