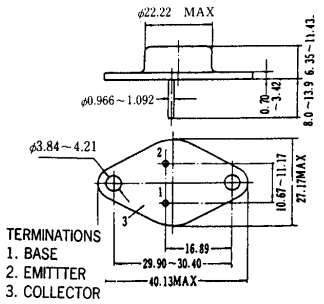
查询"MJ15004G"供应商

MJ15003 NPN PLANAR SILICON TRANSISTOR

AUDIO POWER AMPLIFIER
DC TO DC CONVERTER

- High Current Capability
- High Power Dissipation
- Complementary to MJ15004

TO-3



ABSOLUTE MAXIMUM RATING (Ta=25℃)

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	V_{CBO}	140	V
Collector-Emitter Voltage	V_{CEO}	140	V
Emitter-Base voltage	V_{EBO}	5	V
Collector Current (DC)	IC	20	A
Collector Dissipation	PC	200	W
Junction Temperature	T_j	150	℃
Storage Temperature	Tstg	-50~150	℃

ELECTRICAL CHARACTERISTICS (Ta=25℃)

Characterristic	Symbol	Test Condition	Min	Typ	Max	Unit
Collector Base Breakdown Voltage	BV_{CBO}	I_C=10 mA I_E=0	140			V
Collector Emitter Breakdown Voltage	BV_{CEO}	I_C=5 mA R_{BE}=∞	140			V
Emitter Base Breakdown Voltage	BV_{EBO}	I_E=5 mA I_C=0	5			V
Collector Cutoff Current	I_{CBO}	V_{CB}=70V I_E=0			0.1	mA
Emitter Cutoff Current	I_{EBO}	V_{EB}=4V I_C=0			0.1	mA
*DC Current Gain	h_{FE1}	V_{CE}=5V I_C=1A	30		150	
DC Current Gain	h_{FE2}	V_{CE}=5V I_C=5A	25			
Collector- Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=5A I_B=-0.5A			1.0	V

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