

/ Descriptions

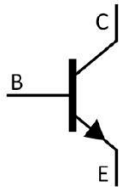
VRW056 QSQ Silicon NPN transistor in a SOT-23 Plastic Package.

/ Features

Low $V_{CE(sat)}$, high current.

/ Applications

General purpose switching and muting, LCD back-lighting, supply line switching circuits.

/ Equivalent Circuit**/ Pinning**

PIN 1 Base PIN 2 Emitter PIN 3 Collector

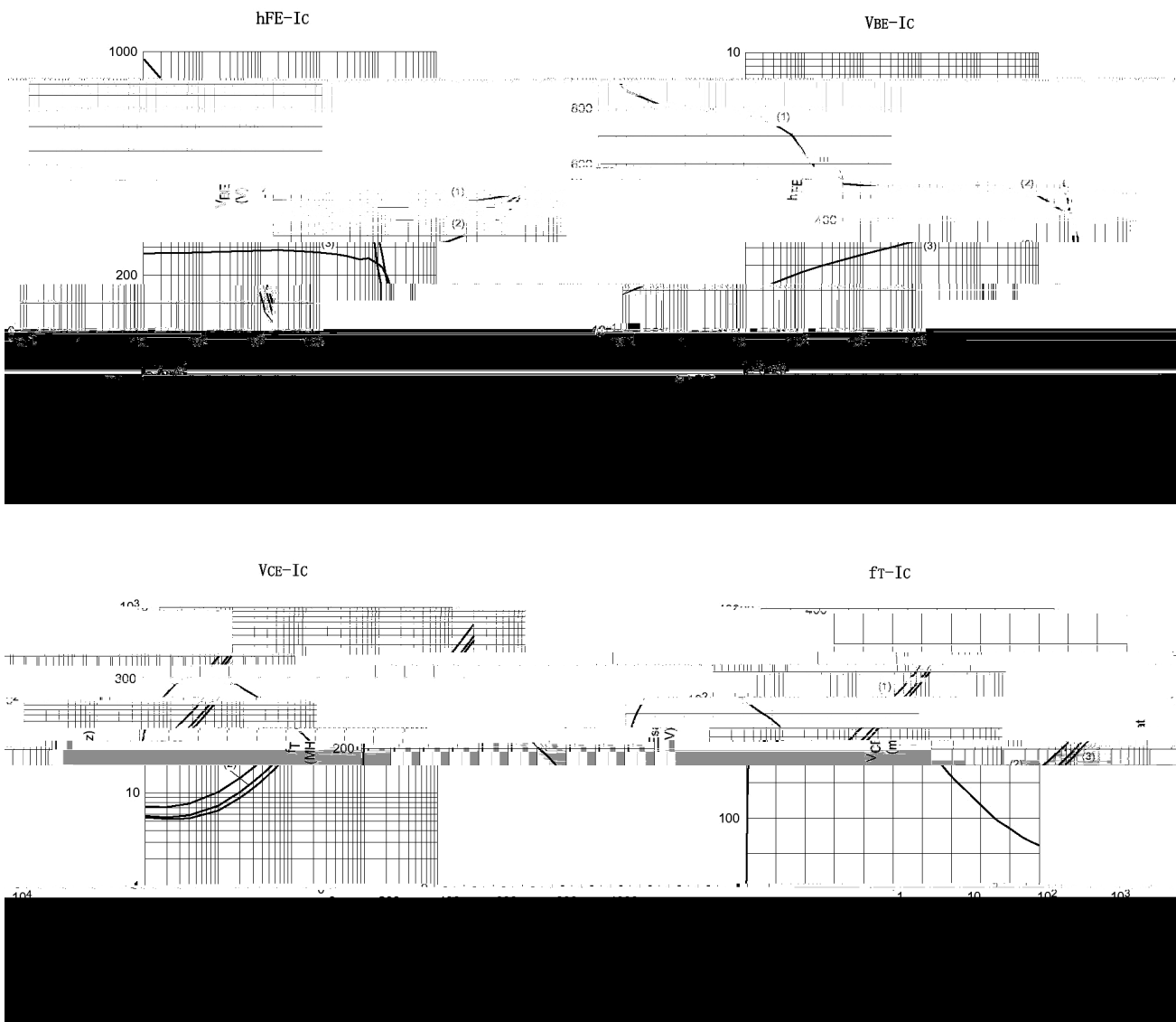
/ h_{FE} Classifications & Marking

h_{FE} Range	300~900
Marking	HZTP

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	40	V
Collector to Emitter Voltage	V_{CEO}	40	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current	I_C	1.0	A
Peak Collector Current	I_{CM}	2.0	A
Peak Base Current	I_{BM}	1.0	A
Collector Power Dissipation	P_C	300	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector Cut-Off Current	I_{CBO}	$V_{CB}=40V$ $I_E=0$			0.1	μA
Collector Cut-Off Current	I_{CEO}	$V_{CB}=30V$ $I_E=0$			0.1	μA

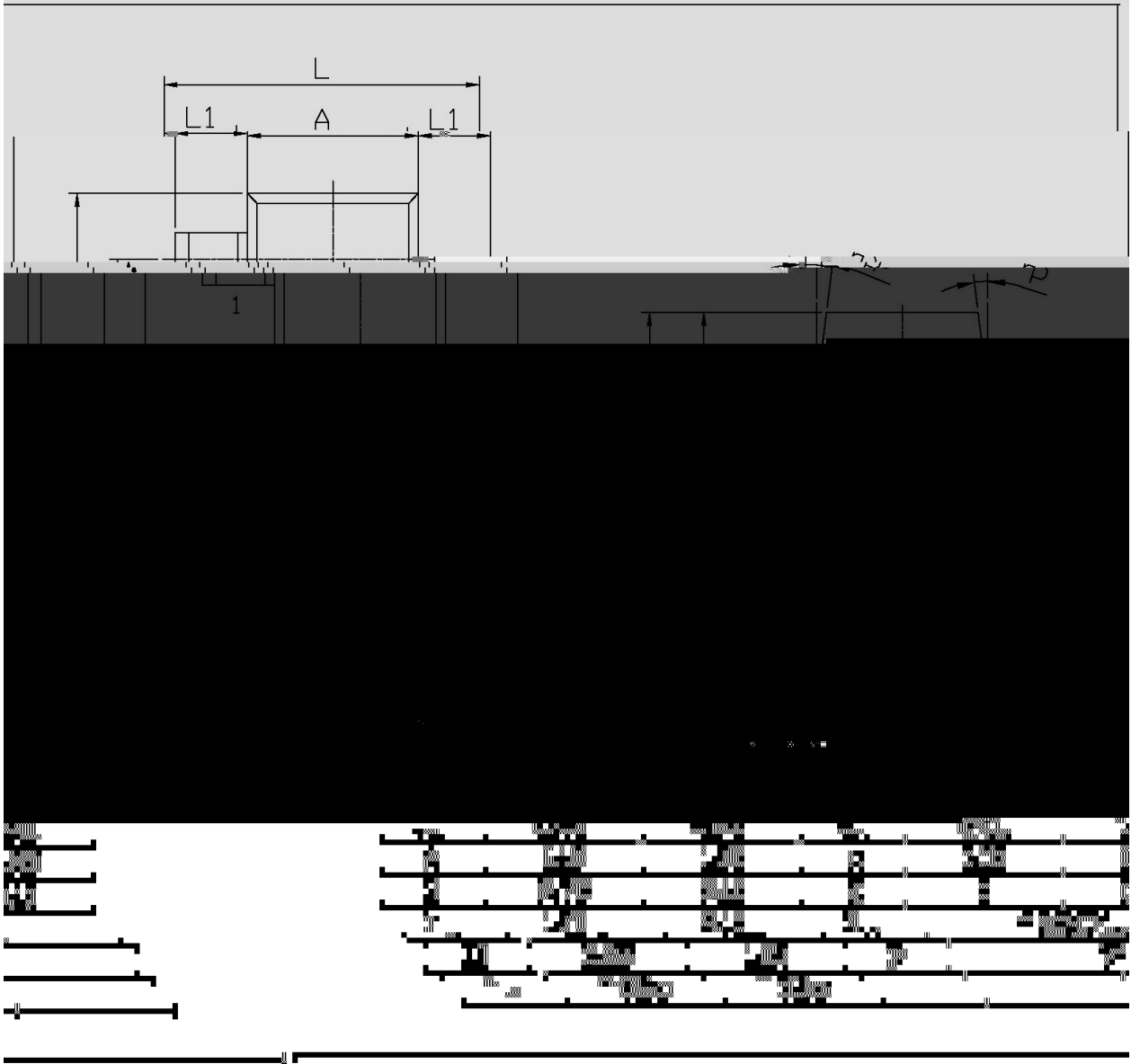
/ Electrical Characteristic Curve



/ Package Dimensions

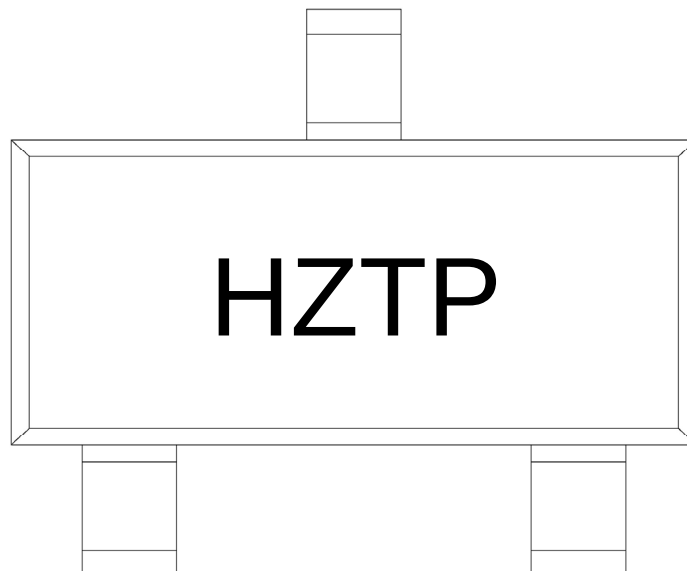
SOT-23

单位: mm





/ Marking Instructions



K

ZTP

Note:

K Company Code

ZTP Product Type

