

/ Descriptions

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

/ Features

Low noise and high power gain.

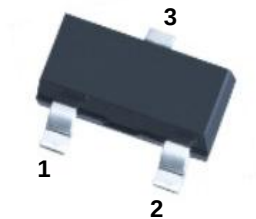
/ Applications

low noise amplifier at VHF, UHF and CATV band applications.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Emitter PIN 3 Collector

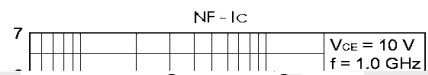
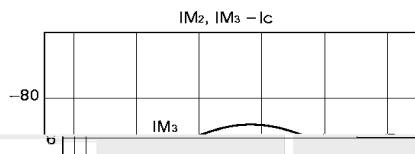
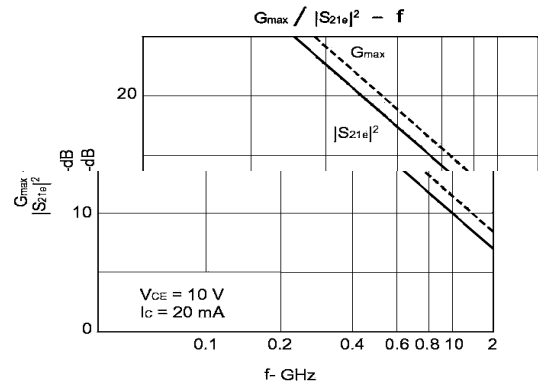
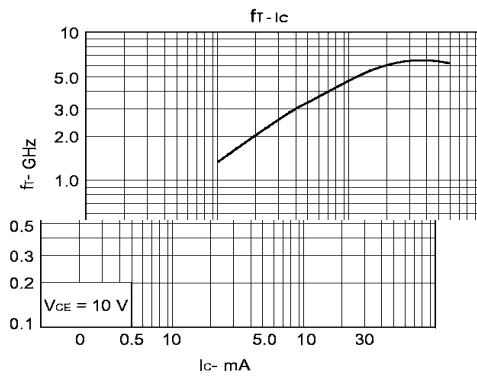
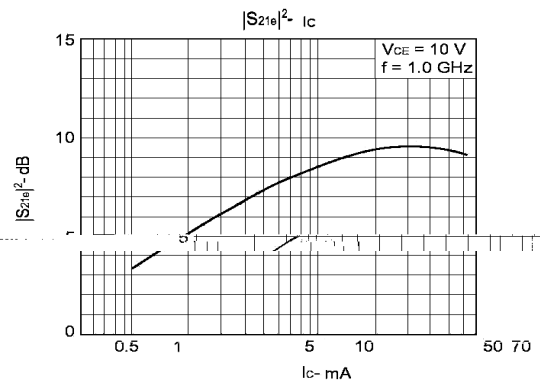
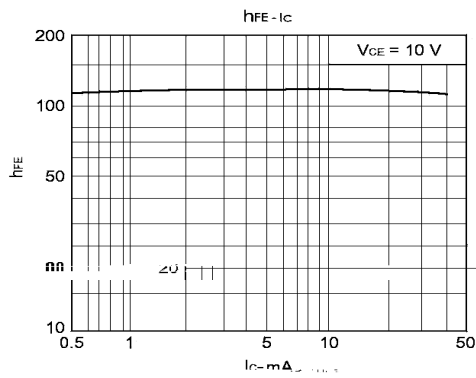
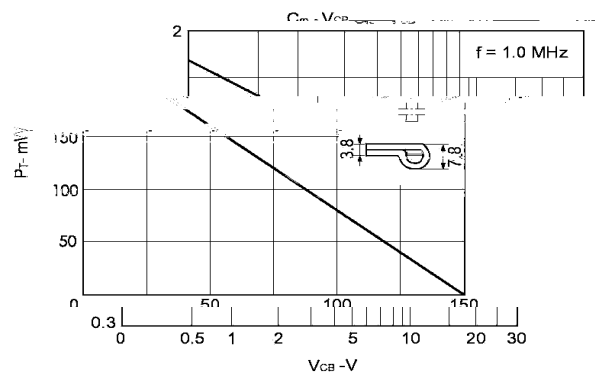
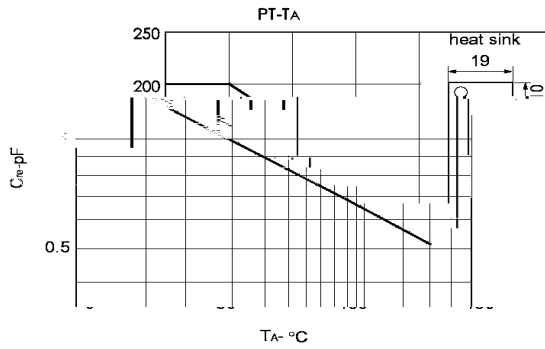
/ h_{FE} Classifications & Marking

h_{FE} Classifications Symbol	Q	R	S	T
h_{FE} Range	50 100	80 160	125 250	200 330
Marking	HR23	HR24	HR25	HR26

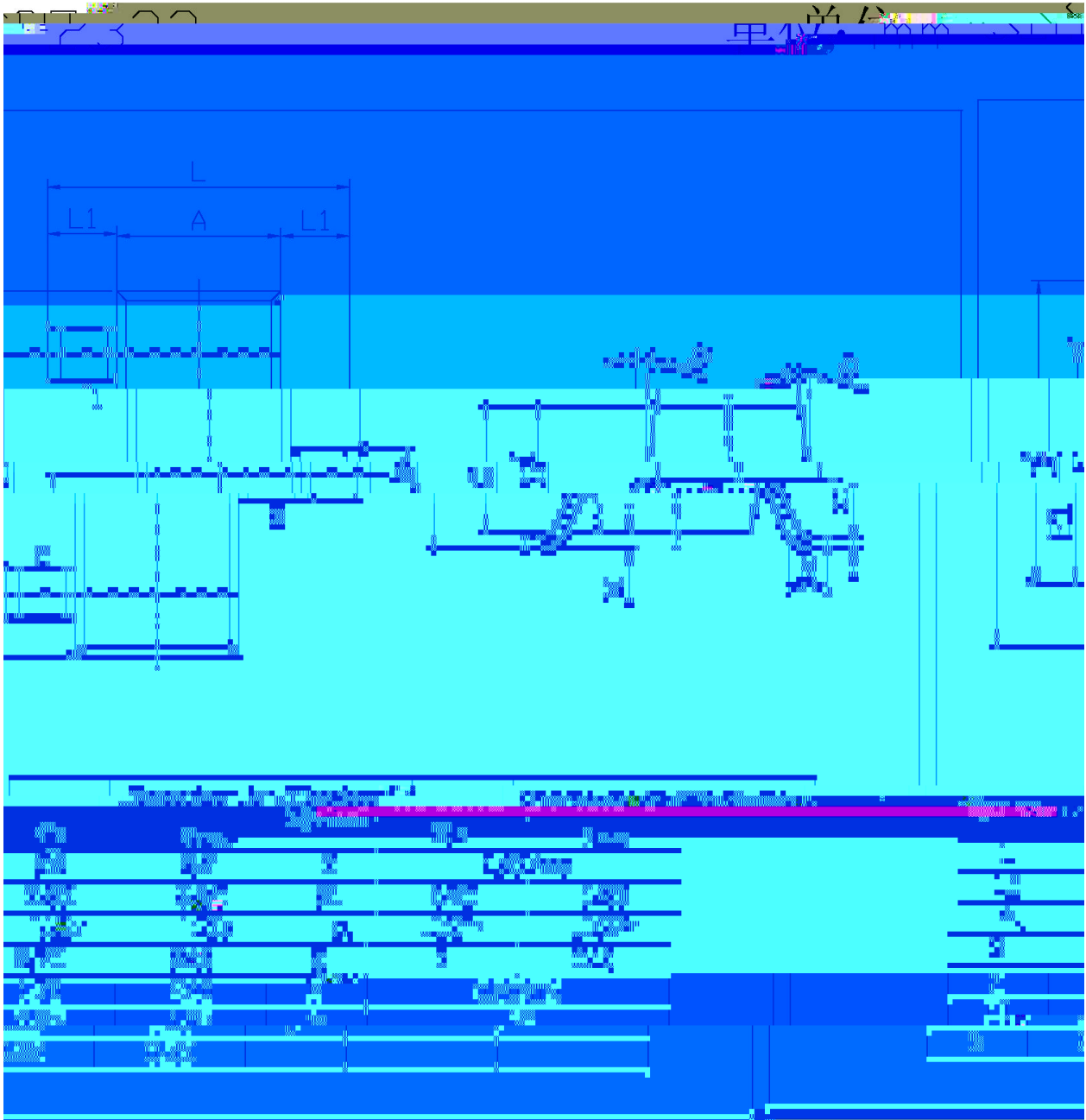
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	20	V
Collector to Emitter Voltage	V_{CEO}	12	V
Emitter to Base Voltage	V_{EBO}	3.0	V
Collector Current	I_C	100	mA
Collector Power Dissipation	P_C	200	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector Cut-Off Current	I_{CBO}	$V_{CB}=10V$ $I_E=0$			1.0	A

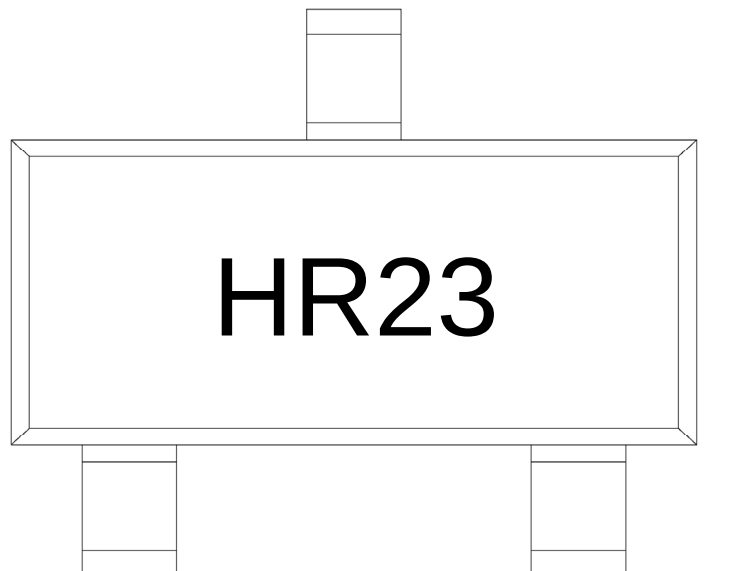
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



K

U56

Note:

K Company Code

U56 Product Type Code

() / **Temperature Profile for IR Reflow Soldering(Pb Y**