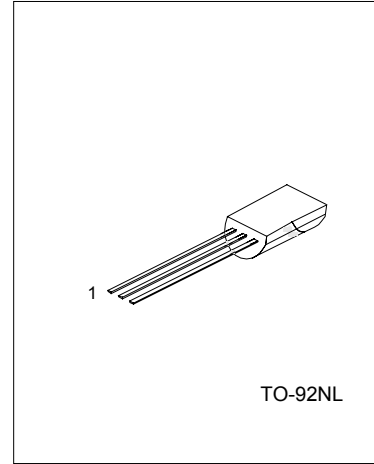


UTC2SC2235 NPN EPITAXIAL SILICON TRANSISTOR

AUDIO POWER AMPLIFIER
APPLICATIONS
DRIVER STAGE AMPLIFIER
APPLICATIONS

FEATURES

*Complimentary to 2SA965



1:EMITTER 2:COLLECTOR 3. BASE

ABSOLUTE MAXIMUM RATINGS (Ta=25°C ,unless otherwise specified)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base Voltage	V _{CB0}	120	V
Collector-emitter Voltage	V _{CEO}	120	V
Emitter-base Voltage	V _{EB0}	5	V
Collector Power Dissipation	P _c	900	mW
Collector Current	I _c	800	mA
Emitter Current	I _E	-800	mA
Junction Temperature	T _J	150	°C
Storage Temperature Range	T _{STG}	-55 ~ +150	°C

ELECTRICAL CHARACTERISTICS(Ta=25°C,unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
Collector Cut-off Current	I _{CBO}	V _{CB} =120V, I _E =0			100	nA
Emitter Cut-off Current	I _{EBO}	V _{EB} =5V, I _C =0			100	nA
Collector-Emitter Breakdown Voltage	V _{BR(CEO)}	I _C =10mA, I _B =0	120			V
Emitter-Base Breakdown Voltage	V _{BR(EBO)}	I _E =1 mA, I _C =0	5			V
DC Current Gain(note)	h _{FE}	V _{CE} =5V, I _C =100mA	80		240	
Collector-Emitter Saturation Voltage	V _{CE(sat)}	I _C =500mA, I _B =50mA			1.0	V
Base-Emitter Voltage	V _{BE}	V _{CE} =5V, I _C =500mA			1.0	V
Transition Frequency	f _T	V _{CE} =5V, I _C =100mA		120		MHz
Collector Output capacitance	C _{ob}	V _{CB} =10V, I _E =0, f=1MHz			30	pF

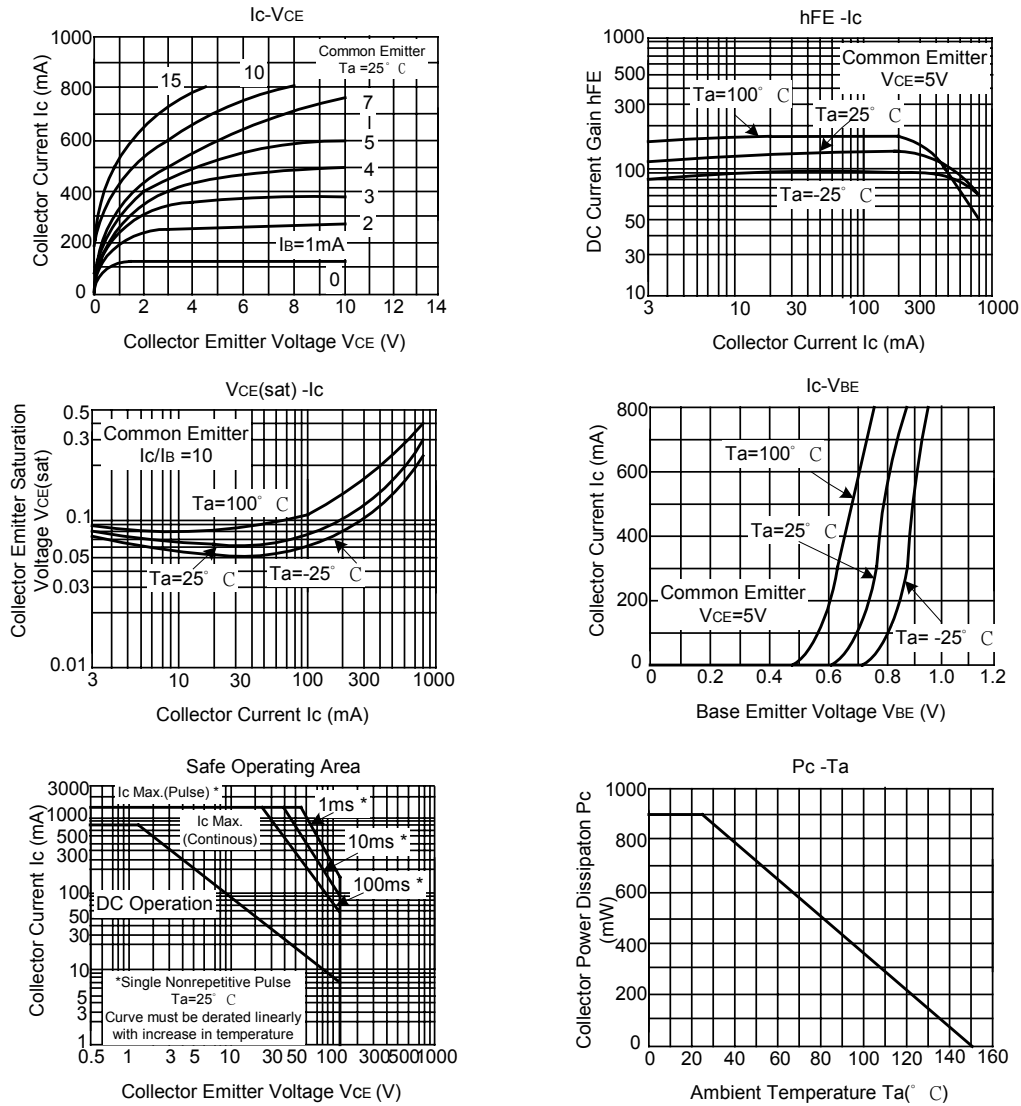
CLASSIFICATION OF hFE

RANK	Y	O
RANGE	120-240	80-160

UTC UNISONIC TECHNOLOGIES CO. LTD

UTC2SC2235 NPN EPITAXIAL SILICON TRANSISTOR

TYPICAL CHARACTERISTIC



UTC2SC2235 NPN EPITAXIAL SILICON TRANSISTOR

UTC assumes no responsibility for equipment failures that result from using products at values that exceed, even momentarily, rated values (such as maximum ratings, operating condition ranges, or other parameters) listed in products specifications of any and all UTC products described or contained herein. UTC products are not designed for use in life support appliances, devices or systems where malfunction of these products can be reasonably expected to result in personal injury. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice.