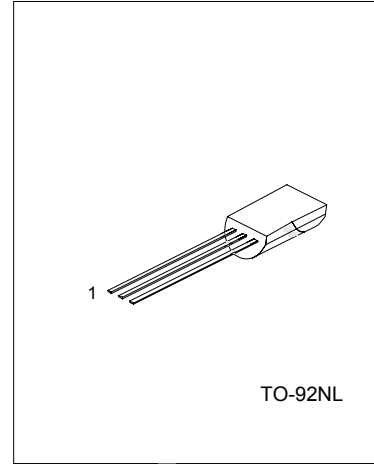


UTC2SC2235 NPN EPITAXIAL SILICON TRANSISTOR

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 _{CE0}	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

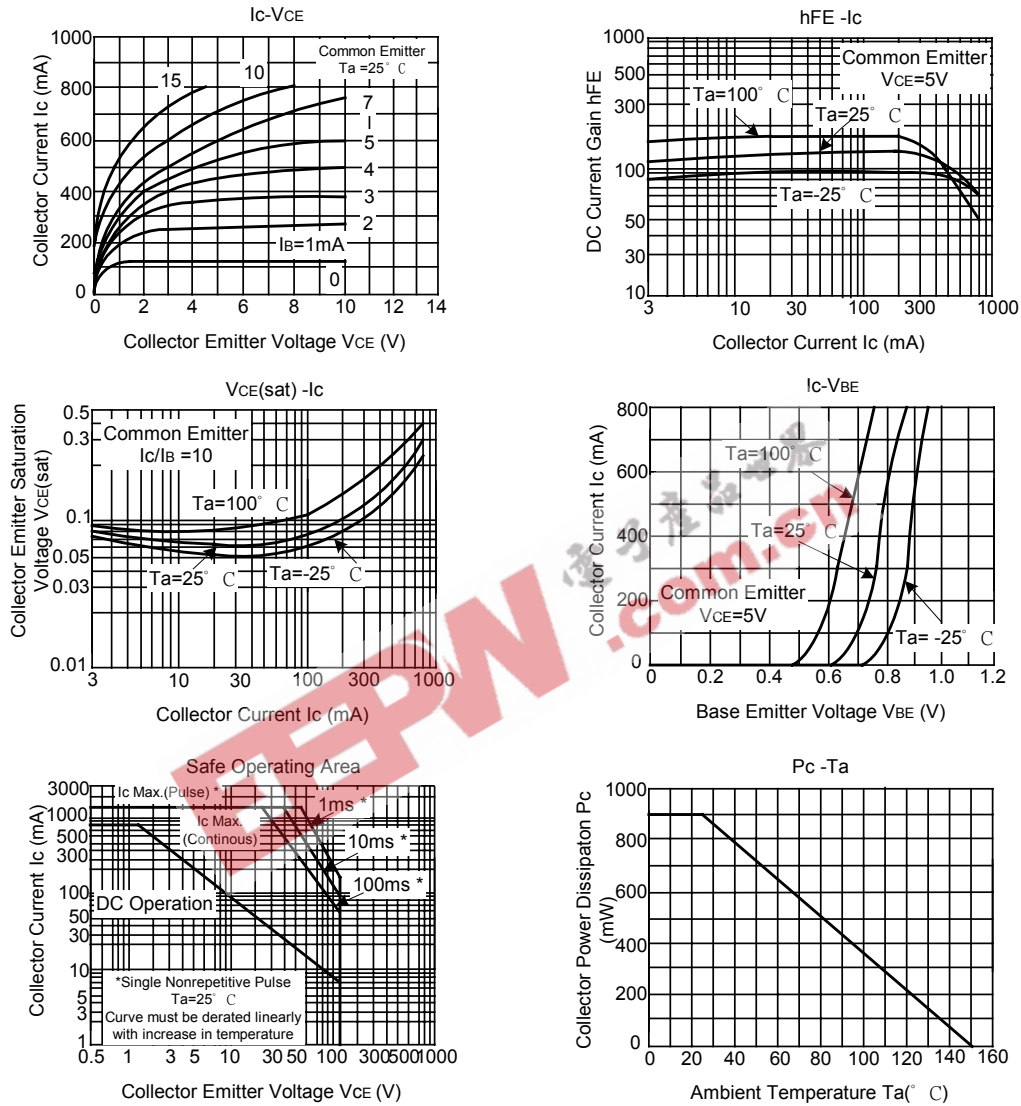
CLASSIFICATION OF hFE

RANK	Y	O
RANGE	120-240	80-160

UTC UNISONIC TECHNOLOGIES CO. LTD

UTC2SC2235 NPN EPITAXIAL SILICON TRANSISTOR

TYPICAL CHARACTERISTIC



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