

2SC2383

NPN EPITAXIAL SILICON TRANSISTOR

COLOR TV AUDIO OUTPUT & COLOR TV VERTICAL OUTPUT

DESCRIPTION

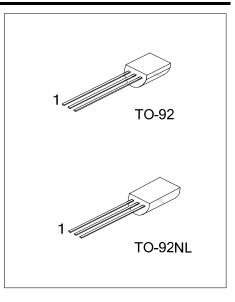
The UTC 2SC2383 is an NPN epitaxial silicon transistor, it uses UTC's advanced technology to provide customers high DC current gain and high breakdown voltage.

The UTC 2SC2383 is usually used in Color TV Vertical Deflection Output and Audio Output.

FEATURES

* High breakdown Voltage

* High DC Current Gain

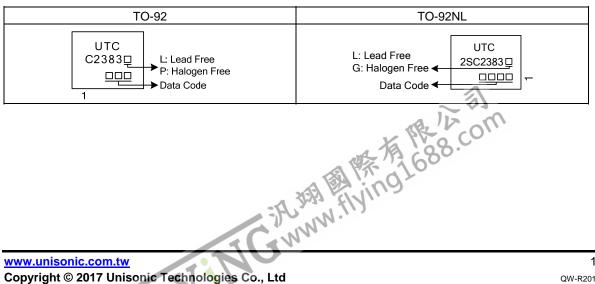


ORDERING INFORMATION

Ordering Number		Dookogo	Pin Assignment			Dooking	
Lead Free	Halogen Free	Package	1	2	3	Packing	
2SC2383L-x-T92-B	2SC2383G-x-T92-B	TO-92	Е	С	В	Tape Box	
2SC2383L-x-T92-K	2SC2383G-x-T92-K	TO-92	Е	С	В	Bulk	
2SC2383L-x-T9N-B	2SC2383G-x-T9N-B	TO-92NL	Е	С	В	Tape Box	
2SC2383L-x-T9N-K	2SC2383G-x-T9N-K	TO-92NL	Е	С	В	Bulk	
Note: Pin Assignment: C: Collector B: Base E: Emitter							
2SC2383G-x-T92-B							

2SC2383G-x-T92-B	(1) B: Tape Box, K: Bulk	
(2)Package Type	(2) T92: TO-92, T9N: TO-92NL	
(3)Rank	(3) x: refer to Classification of h _{FE}	
(4)Green Package	(4) G: Halogen Free and Lead Free, L: Lead Free	

MARKING



■ ABSOLUTE MAXIMUM RATINGS (T_A=25°C, unless otherwise noted)

PARAMETER	SYMBOL	RATINGS	UNIT
Collector-Base Voltage	V _{CBO}	160	V
Collector-Emitter Voltage	V _{CEO}	160	V
Emitter-Base Voltage	V _{EBO}	6	V
Collector Current	lc	1	A
Base Current	Ι _Β	0.5	А
Collector Power Dissipation	Pc	900	mW
Junction Temperature	TJ	+150	°C
Storage Temperature	T _{STG}	-55 ~150	

Note: Absolute maximum ratings are those values beyond which the device could be permanently damaged. Absolute maximum ratings are stress ratings only and functional device operation is not implied.

ELECTRICAL CHARACTERISTICS (T_A=25°C, unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Collector Cut-Off Current	I _{CBO}	V _{CE} =150V, I _E =0			1	μA
Emitter Cut-Off Current	I _{EBO}	$V_{EB}=6V, I_{C}=0$			1	μA
Collector-Emitter Breakdown Voltage	BV _{CEO}	I _C =10mA, I _B =0	160			V
DC Current Gain	h _{FE}	V _{CE} =5V, I _C =200mA	60		320	
Collector-Emitter Saturation Voltage	V _{CE(sat)}	I _C =500mA, I _B =50mA			1.5	V
Base-Emitter On Voltage	V _{BE(on)}	V _{CE} =5V, I _C =5mA	0.45		0.75	V
Current Gain Bandwidth Product	f⊤	V _{CE} =5V, I _C =200mA	20	100		MHz
Output Capacitance	C _{ob}	V _{CB} =10V, I _E =0, f=1MHz			20	pF

■ h_{FE} CLASSIFICATION

CIASSIFICATION	R	0	Y
h _{FE}	60 ~ 120	100 ~ 200	160 ~ 320



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