

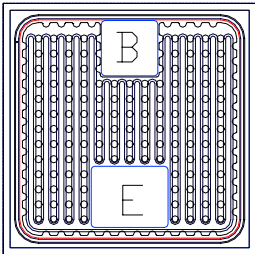
## C2383 Silicon NPN Epitaxial Transistor

Description :The C2383 is designed for color TV class B sound output applications

Features: ●High voltage:  $V_{CEO}=160V$

●Complementary to A1013

### Chip Appearance

	Chip Size		1100um × 1100um
	Chip Thickness		210 ± 20um
	Bonding Pad Size	Base	240um × 240um
		Emitter	330um × 260um
	Front Metal		Al
	Backside Metal		Au (As)
	Scribe line width		60um
	Wafer Size		6 inch

### Electrical Characteristics( $T_a=25^{\circ}C$ )

Characteristic	Symbol	Test Condition	Min	Max	Unit
Collector Cutoff Current	$I_{CBO}$	$V_{CB}=150V, I_E=0$		1.0	uA
Emitter Cutoff Current	$I_{EBO}$	$V_{EB}=5V, I_C=0$		1.0	uA
Collector-Base Breakdown Voltage	$BV_{CBO}$	$I_C=0.1mA$	160		V
Collector-Emitter Breakdown Voltage	$BV_{CEO}$	$I_C=10mA$	160		V
Emitter-Base Breakdown Voltage	$BV_{EBO}$	$I_E=0.1mA$	5.0		V
DC Current Gain	$h_{FE}$	$V_{CE}=5V, I_C=200mA$	60	320	
Collector Saturation Voltage	$V_{CE(sat)}$	$I_C=500mA, I_B=50mA$		1.5	V