



2SC2412

RoHS
COMPLIANT

M ~ ec



Mechanical Data

- **Package:** SOT-23
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Marking:**

2SC2412-Q	BQ
2SC2412-R	BR
2SC2412-S	BS

■ Maximum Ratings (Ta=25 unless otherwise noted)

Item	Symbol	Unit	Conditions	Value
Collector-Base Voltage	V_{CBO}	V	$I_C=50\mu A, I_E=0$	60
Collector-Emitter Voltage	V_{CEO}	V	$I_C=1mA, I_B=0$	50
Emitter-Base Voltage	V_{EBO}	V	$I_E=50\mu A, I_C=0$	7
Collector Current	I_C	A		0.15
Collector Power Dissipation	P_C	mW		200
Operation Junction Temperature	T_j			150
Storage Temperature	T_{stg}			-55 to +150

■ Electrical Characteristics (Ta = 25 unless otherwise noted)

Item	Symbol	Unit	Conditions	Min	Type	Max
Collector-base breakdown voltage	V_{CBO}	V	$I_C=50\mu A, I_E=0$	60		
Collector-emitter breakdown voltage	V_{CEO}	V	$I_C=1mA, I_B=0$	50		
Emitter-base breakdown voltage	V_{EBO}	V	$I_E=50\mu A, I_C=0$	7		
Collector-base cut-off current	I_{CBO}	μA	$V_{CB}=60V, I_E=0$			0.1
Emitter-base cut-off current	I_{EBO}	μA	$V_{EB}=7V, I_C=0$			0.1
DC current gain	h_{FE}		$V_{CE}=6V, I_C=1mA$	120		560
Collector-emitter saturation voltage	$V_{CE(sat)}$	V	$I_C=50mA, I_B=5mA$			0.4

			$V_{CB}=12V, I_E=0, f=1MHz$		2.0	3.5
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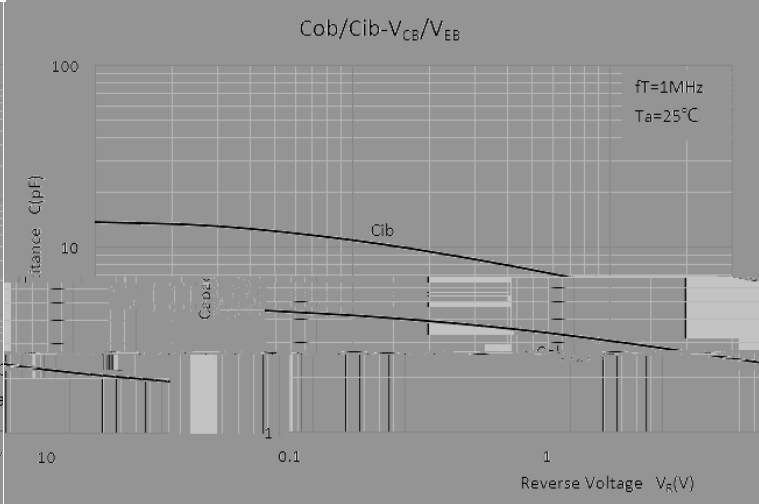
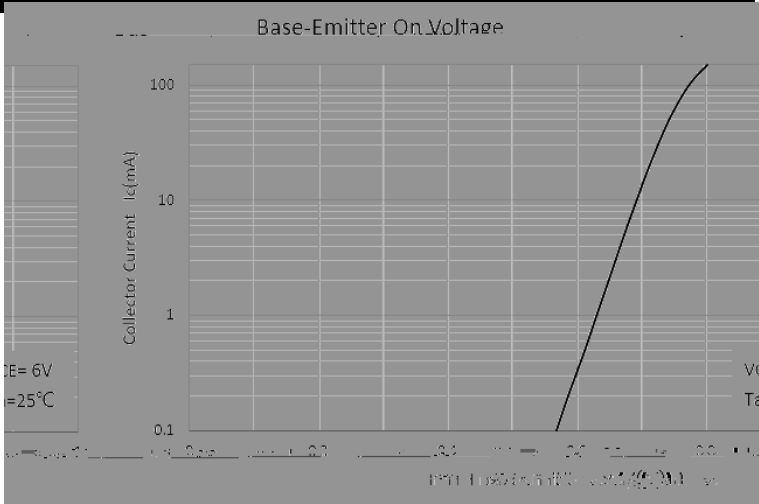
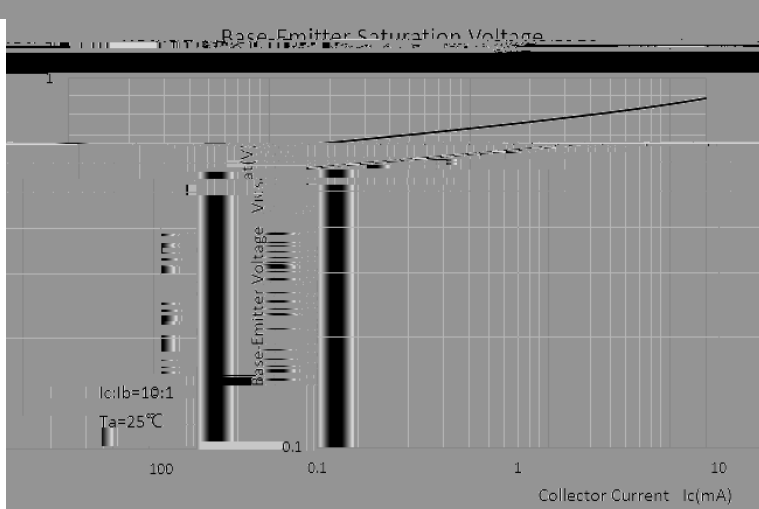
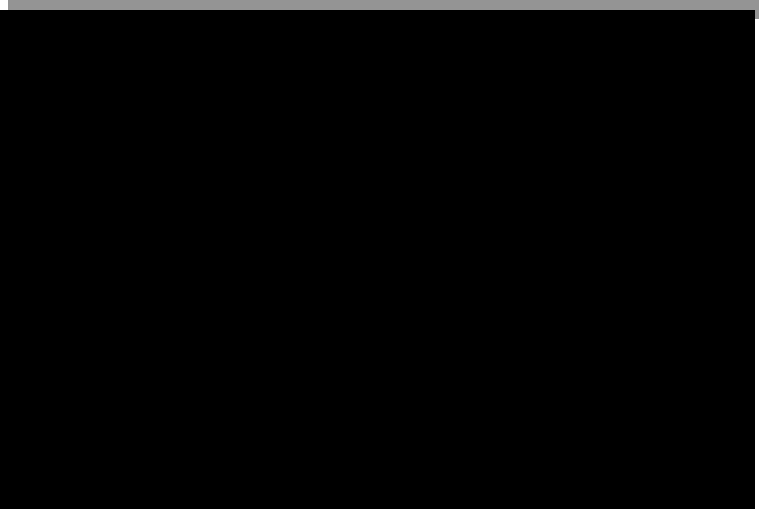
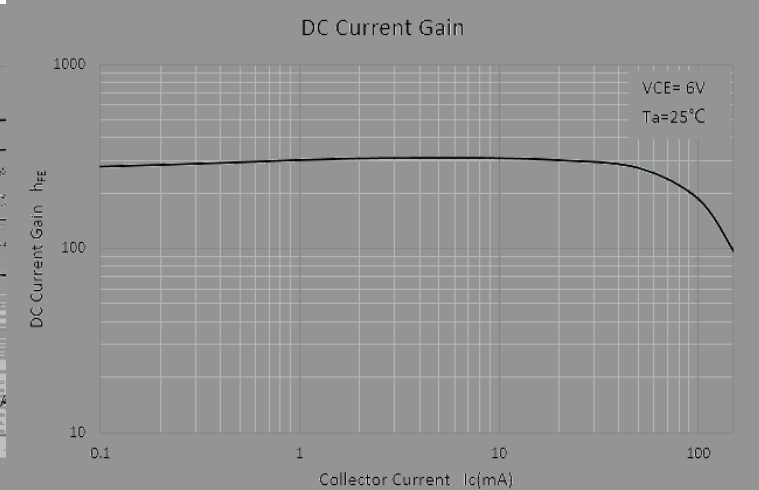
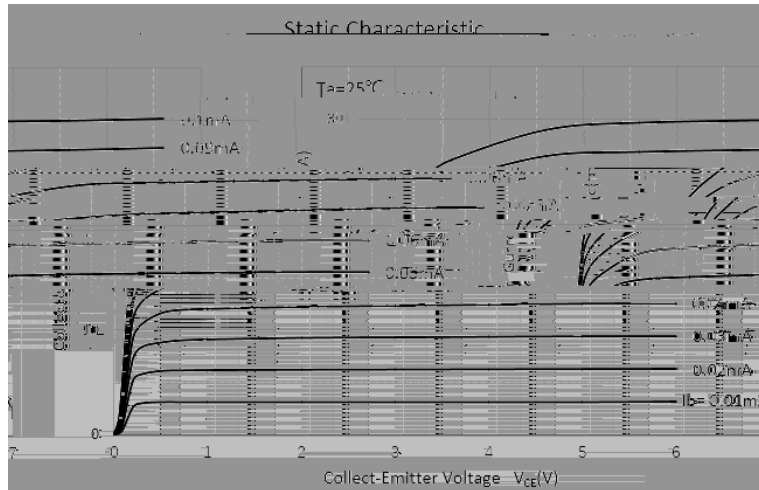
■ CLASSIFICATION OF HFE

Rank	Q	R	S
Range	120-270	180-390	270-560

■ Ordering Information (Example)

PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
2SC2412	F2	Approximate 0.008	3000	30000	120000	7" reel

■ Characteristics(Typical)





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