





2SC5658

■ Electrical Characteristics (Ta=25 unless otherwise specified)

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
Transition frequency	f_T	MHz	$V_{CE}=12V, I_C=2mA, f=100MHz$		160	
Collector-base output capacitance	C_{ob}	pF	$V_{CB}=12V, I_E=0, f=1MHz$		2.0	3.5

■ CLASSIFICATION OF HFE

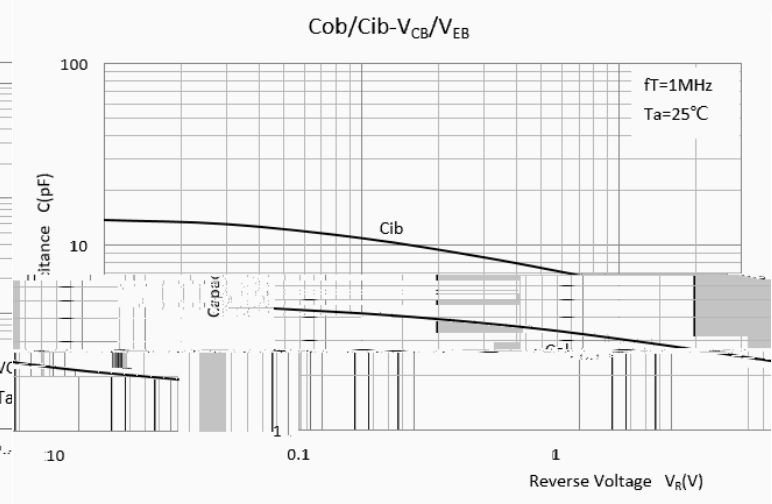
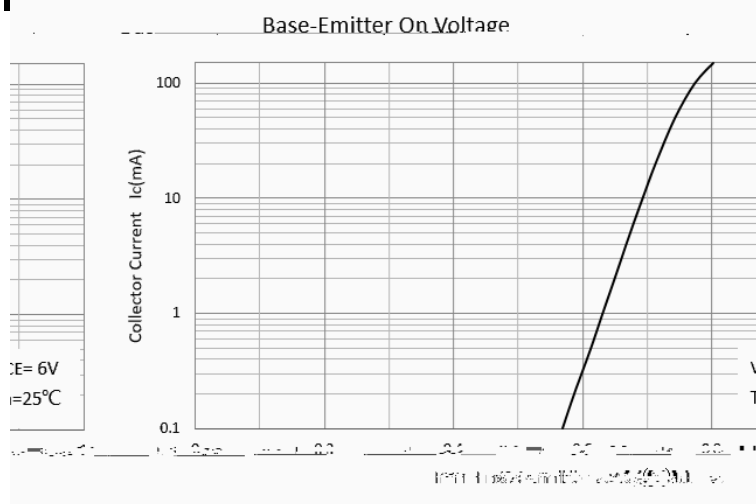
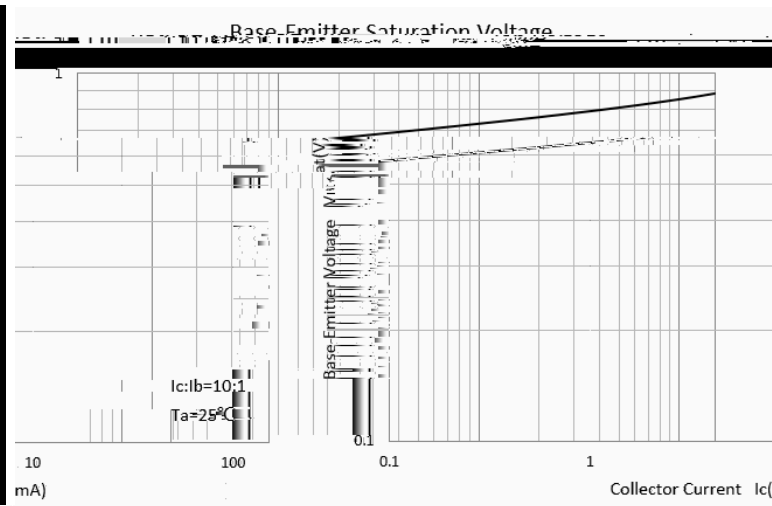
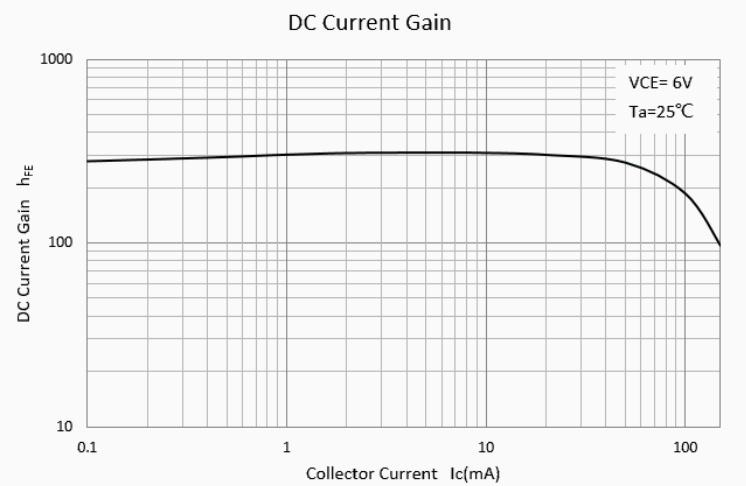
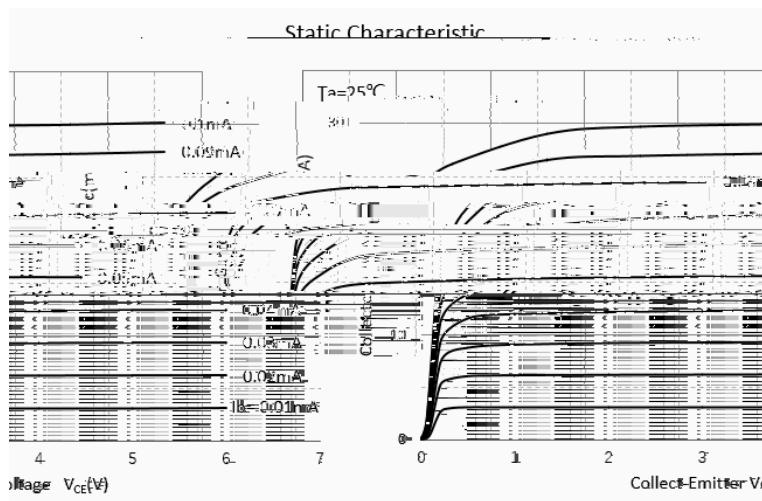
Rank	Q	R	S
Range	120-270	180-390	270-560

■ Ordering Information (Example)

PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
2SC5658	F2	Approximate 0.0013	8000	80000	320000	7" reel



Ω Characteristics (Typical)



[illegible]

1. PACKAGE BODY SIZES EXCLUDE MOLD FLASH AND GATE BURRS.
2. TOLERANCE 0.1mm UNLESS OTHERWISE SPECIFIED.
3. THE PAD LAYOUT IS FOR REFERENCE PURPOSES ONLY.



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