

ESD



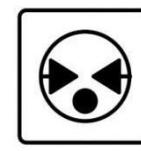
TVS



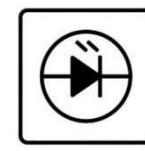
TSS



MOV



GDT



PLED

PBSS5350Z-MS

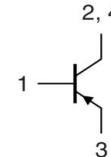
Product specification

PNP TRANSISTOR

FEATURE

- Low collector-to-emitter saturation voltage.
- Fast switching speed.
- Large current capacity and wide ASO.
- We declare that the material of product compliance with RoHS requirements and Halogen Free.

Reference News

SOT-223	Pin Configuration	MARKING
		W*** PB5350

MAXIMUM RATINGS(Ta = 25°C)

Parameter	Symbol	Limits	Unit
Collector-Emitter Voltage	VCEO	-50	V
Collector-Base Voltage	VCBO	-60	V
Emitter-Base Voltage	VEBO	-6	V
Collector Current	IC	-3	A
Collector Current(Pulse)	ICP	-6	A

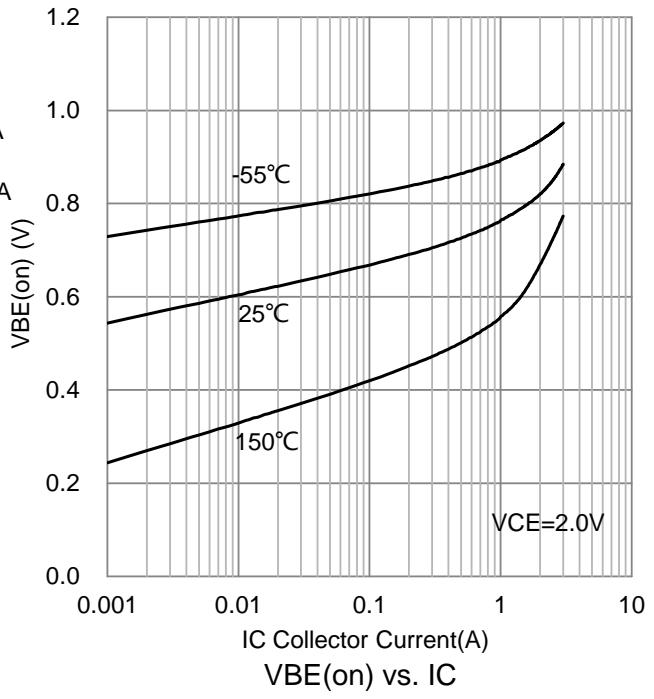
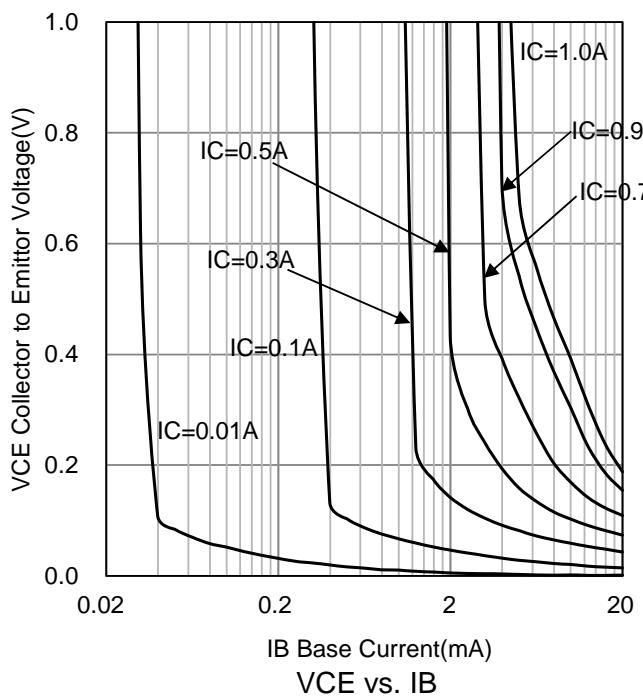
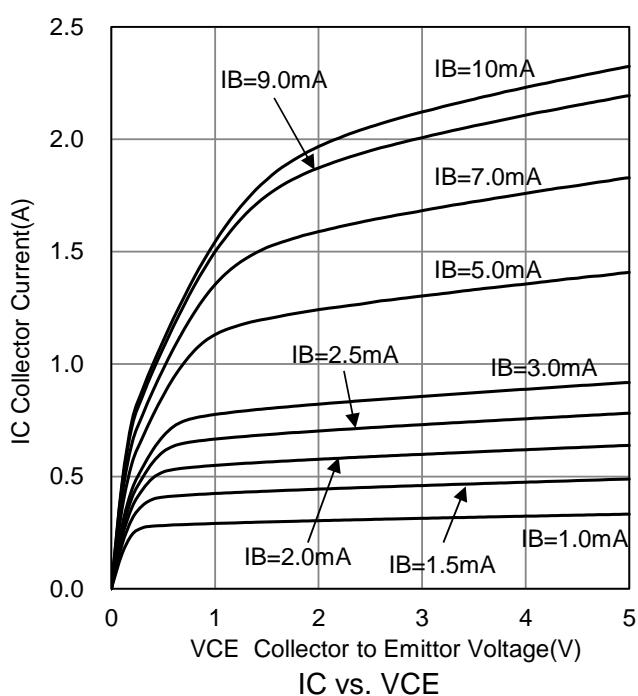
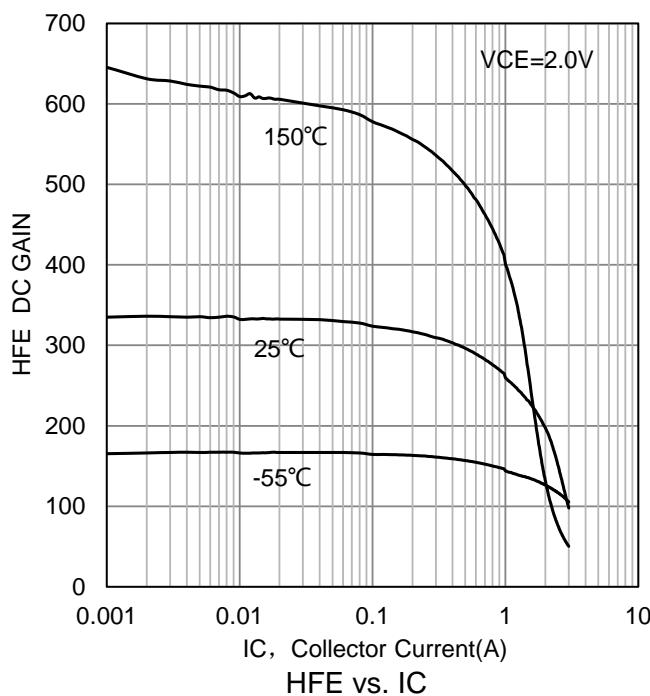
THERMAL CHARACTERISTICS

Parameter	Symbol	Limits	Unit
Total Device Dissipation, FR-4 Board (Note 1) @ TA = 25°C	PD	833	mW
Thermal Resistance, Junction-to-Ambient (Note 1)	R _{θJA}	150	°C/W

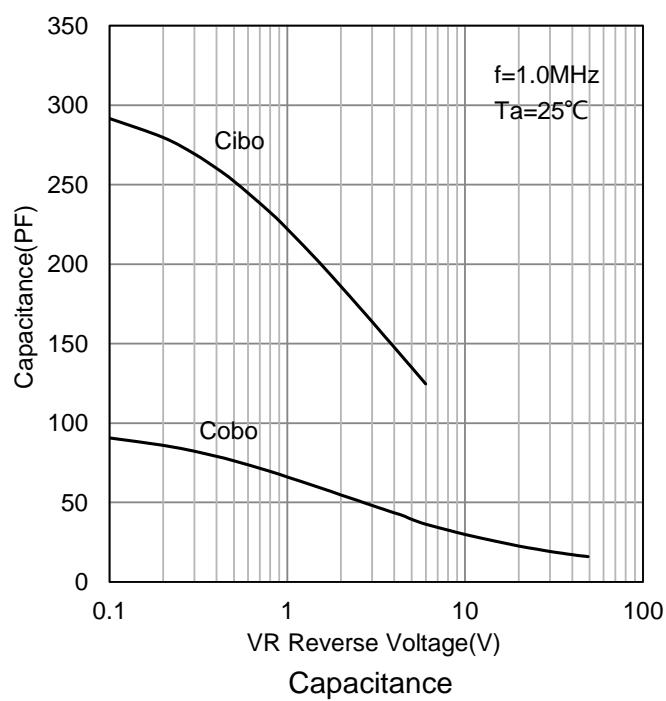
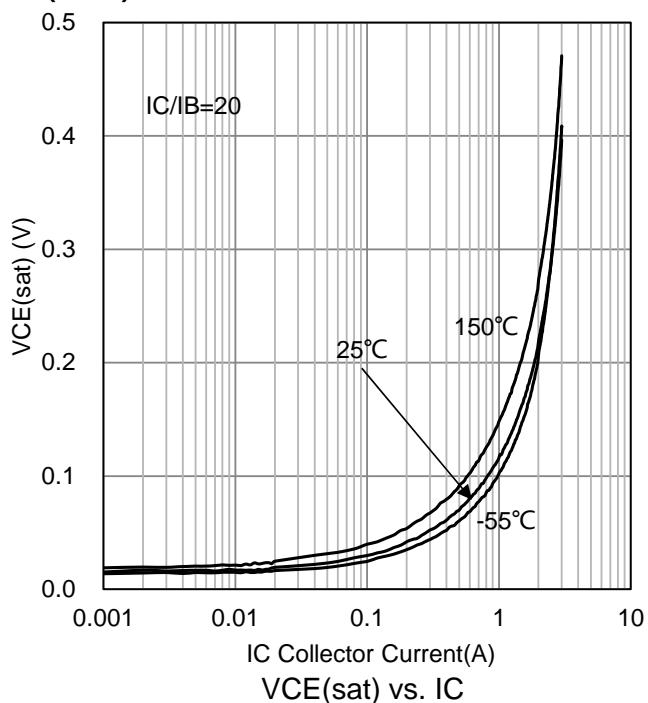
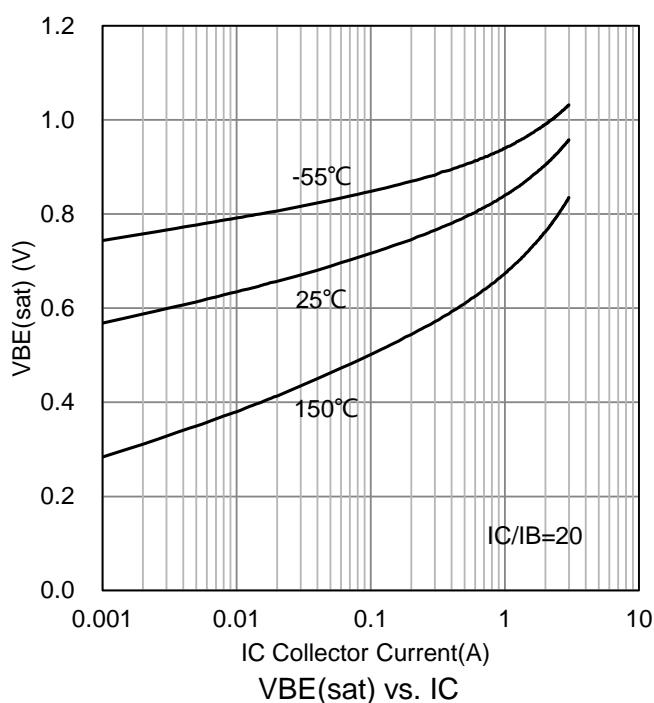
ELECTRICAL CHARACTERISTICS (Ta= 25°C)

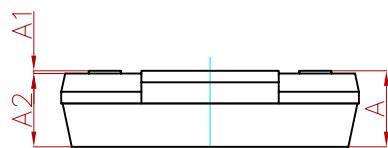
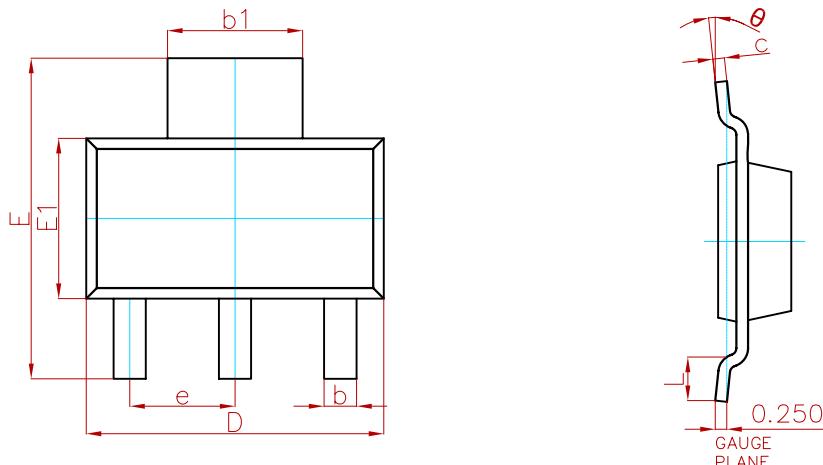
Characteristic	Symbol	Min.	Typ.	Max.	Unit
Collector-Emitter Breakdown Voltage (IC = -1mA, IB = 0)	VBR(CEO)	-50	-	-	V
Collector-Base Breakdown Voltage (IC = -100 µA, IE = 0)	VBR(CBO)	-60	-	-	V
Emitter-Base Breakdown Voltage (IE = -100 µA, IC = 0)	VBR(EBO)	-6	-	-	V
Collector Cutoff Current (V _{CB} = -40 V, IE = 0)	ICBO	-	-	-1	µA
Emitter Cut-off Current (V _{EB} = -4V, IC = 0)	IEBO	-	-	-1	µA
Collector-Emitter cutoff Current (V _{CE} = -50V, IB = 0)	ICEO	-	-	-10	µA
DC Current Gain (V _{CE} = -2V, IC = -100mA) (V _{CE} = -2V, IC = -3A)	HFE	200 35	-	400 -	
Collector-Emitter Saturation Voltage (IC = -2A, IB = -100mA)	V _{CE} (sat)	-	-0.35	-0.7	V
Base-Emitter saturation voltage (IC = -2A, IB = -100mA)	V _{BE} (sat)	-	-0.94	-1.2	V
Transition Frequency (V _{CE} = -10V, IC = -50mA)	f _T	-	150	-	MHz
Collector Output Capacitance (V _{CB} = -10V, f = 1MHz)	C _{ob}	-	39	-	pF

5.ELECTRICAL CHARACTERISTICS CURVES

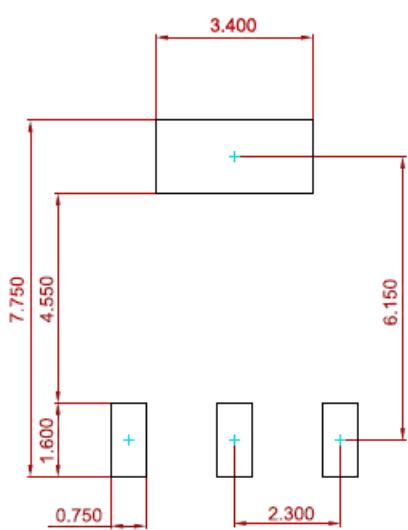


6.ELECTRICAL CHARACTERISTICS CURVES(Con.)



PACKAGE MECHANICAL DATA


Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min.	Max.	Min.	Max.
A	—	1.800	—	0.071
A1	0.020	0.100	0.001	0.004
A2	1.500	1.700	0.059	0.067
b	0.660	0.840	0.026	0.033
b1	2.900	3.100	0.114	0.122
c	0.230	0.350	0.009	0.014
D	6.300	6.700	0.248	0.264
E	6.700	7.300	0.264	0.287
E1	3.300	3.700	0.130	0.146
e	2.300(BSC)		0.091(BSC)	
L	0.750	—	0.030	—
θ	0°	10°	0°	10°

Suggested Pad Layout

Note:

1. Controlling dimension: in millimeters.
2. General tolerance: ± 0.050 mm.
3. The pad layout is for reference purposes only.

REEL SPECIFICATION

P/N	PKG	QTY
PBSS5350Z-MS	SOT-223	1000

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