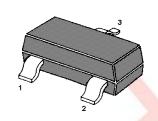
MMBT8050C/D

Features

- For Switching and Amplifier Applications.
- As Complementary Type of the PNP Transistor MMBT8550C/D is Recommended.



Base 2. Emitter 3. Collector

1

Absolute Maximum Ratings (TA=25 °C, unless otherwise noted)

Parameter Symbol Value Unit VCBO 40 V Collector Base Voltage VCEO 25 V Collector Emitter Voltage 6 V VEBO Emitter Base Voltage 600 mΑ Collector Current lc \mathbf{P}_{D} 350 mW Power Dissipation °C TJ 150 Junction Temperature °C Storage Temperature Range TSTG -55 to 150

Electrical Characteristics(T_A=25 °C, unless otherwise noted)

Parameter	Symbol	Min.	Тур.	Max.	Unit
DC Current Gain	Symbol		Typ.	Iviax.	Onit
at Vce = 1 V,Ic = 100 mA Current Gain Group C		100	-	250	
D	H _{FE}	160	-	400	
at $V_{CE} = 1 \text{ V}, \text{ Ic} = 500 \text{ mA}$		40		-	
Collector Base Cutoff Current at $V_{CB} = 35 V$	Ісво	-	-	100	nA
Collector Base Breakdown Voltage at I_c = 10 μ A	V _{(BR)CBO}	40	-	-	V
Collector Emitter Breakdown Voltage at Ic = 2 mA	V _{(BR)CEO}	25	-	-	V
Emitter Base Breakdown Voltage at I⊨ = 100 μA	V _{(BR)EBO}	6	-	-	V
Collector Emitter Saturation Voltage at Ic = 500 mA, I _B = 50 mA	V _{CE(sat)}	-	-	0.5	V
Base Emitter Saturation Voltage at I_{C} = 500 mA, I_{B} = 50 mA	V _{BE(sat)}	-	-	1.2	V
Transition Frequency at Vc⊨ = 5 V, Ic = 10 mA	Fτ	-	100	-	MHz



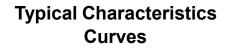
AGERTECH MICROELECTRONICS

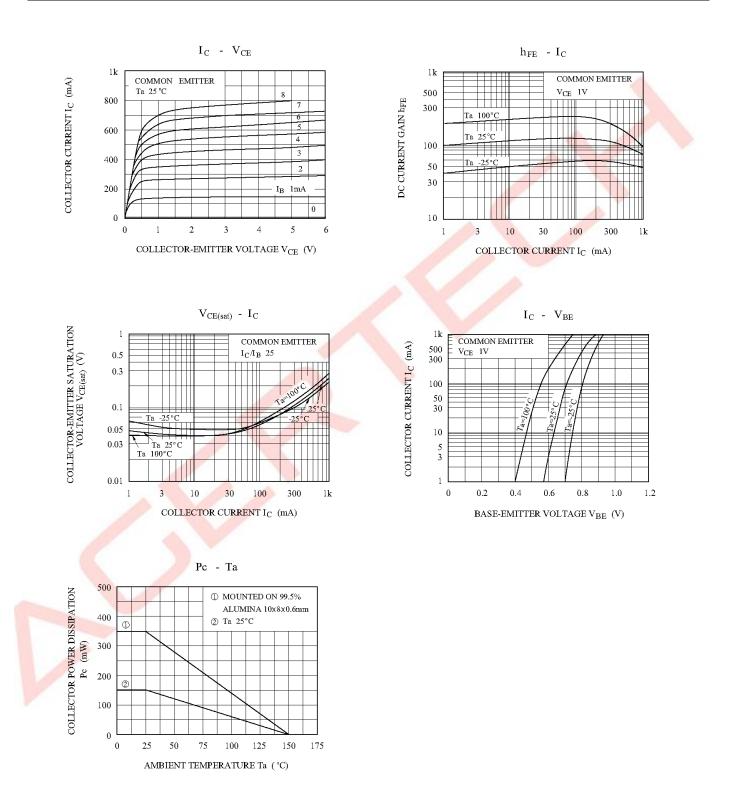
Dated:12/2017 Rev: 2.0

Subsidiary of Sino-Talent International Holdings Ltd. 1/4

SOT-23 (TO-236)

MMBT8050C/D





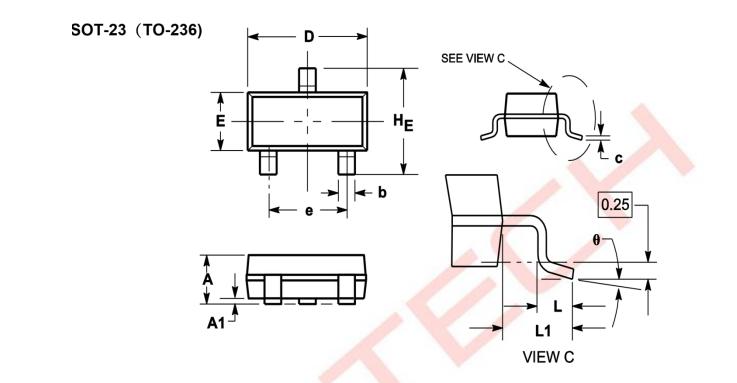


AGERTECH MICROELECTRONICS

Subsidiary of Sino-Talent International Holdings Ltd. 2/4

Dated:12/2017 Rev: 2.0

Package Outline



Symbol	Dimensions in millimeter				
	Min.	Тур.	Max.		
А	0.900	1.025	1.150		
A1	0.000	0.050	0.100		
b	0.300	0.400	0.500		
С	0.080	0.115	0.150		
D	2.800	2.900	3.000		
E	1.200	1.300	1.400		
HE	2.250	2.400	2.550		
е	1.800	1.900	2.000		
L1	0.550REF				
L	0.300		0.500		
θ	0°		8°		

Device	Package	Reel Dimension (inch)	Shipping
MMBT8050C/D	SOT-23	7	3,000



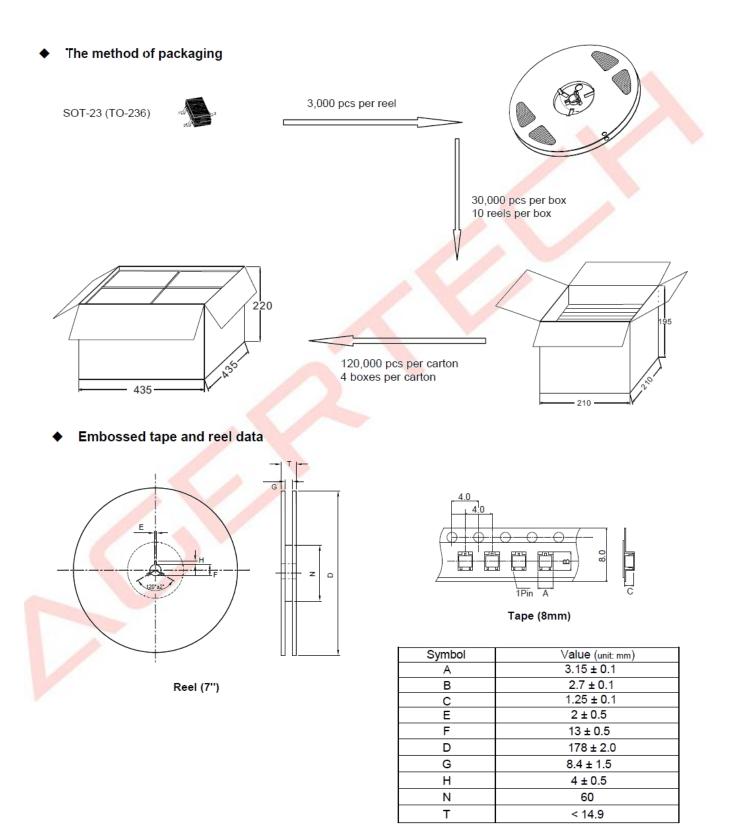
AGERTECH MICROELECTRONICS

Subsidiary of Sino-Talent International Holdings Ltd. 3/4

Dated:12/2017 Rev: 2.0

MMBT8050C/D

Package Specifications





AGERTECH MICROELECTRONICS

Subsidiary of Sino-Talent International Holdings Ltd. 4/4

Dated:12/2017 Rev: 2.0

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Bipolar Transistors - BJT category:

Click to view products by Agertech manufacturer:

Other Similar products are found below :

 619691C
 MCH4017-TL-H
 MMBT-2369-TR
 BC546/116
 BC557/116
 BSW67A
 NJVMJD148T4G
 NTE123AP-10
 NTE153MCP
 NTE16

 NTE195A
 NTE92
 C4460
 2N4401-A
 2N6728
 2SA1419T-TD-H
 2SA2126-E
 2SB1204S-TL-E
 2SC2712S-GR,LF
 2SC5488A-TL-H

 2SD2150T100R
 SP000011176
 2N2907A
 2N3904-NS
 2N5769
 2SC2412KT146S
 2SD1816S-TL-E
 CPH6501-TL-E
 MCH4021-TL-E

 MJE340
 US6T6TR
 NJL0281DG
 732314D
 CPH3121-TL-E
 CPH6021-TL-H
 873787E
 IMZ2AT108
 UMX21NTR
 MCH6102-TL-E

 NJL0302DG
 2N3583
 30A02MH-TL-E
 NSV40301MZ4T1G
 NTE13
 NTE26
 NTE323
 NTE350
 NTE81
 STX83003-AP