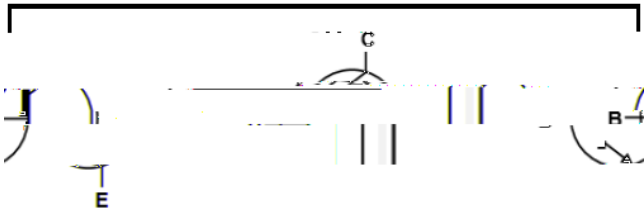




NPN General Purpose Transistor



Features

- z /HDG)UHH)LQLVK 5R+6 &RPSOLDQW
- z 6PDOO SDFNDJH VDYHV ERDUG VSDFH
- z 0RLVWXUH 6HQVLWLYLW\ /HYHO



Mechanical Data

- z Package ')1 /
- z Terminals 7LQ SODWHG OHDGV VROGHUDEOH
- z Marking ' - (6' %

Maximum Ratings

Symbol	Parameter	Value	Unit
9 & % 2	&ROOHFWRU %DVH 9ROWDJH		
9 & (2	&ROOHFWRU (PLWWHU 9ROWDJH		
9 (% 2	(PLWWHU %DVH 9ROWDJH		9
, &	&ROOHFWRU &XUUHQW		P \$
3 &	&ROOHFWRU 3RZHU 'LVVLSDWLRQ		P :
7 M	-XQFWLRQ 7HPSHUDWXUH		-
7 VWJ	6WRUDJH 7HPSHUDWXUH		-

Ordering Information

PREFERED P/N	UNIT WEIGHT(mg)	MINIIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
% & % 0	\$SSUR[LPDWH		.	.	7 DSH 5



Electrical Characteristics

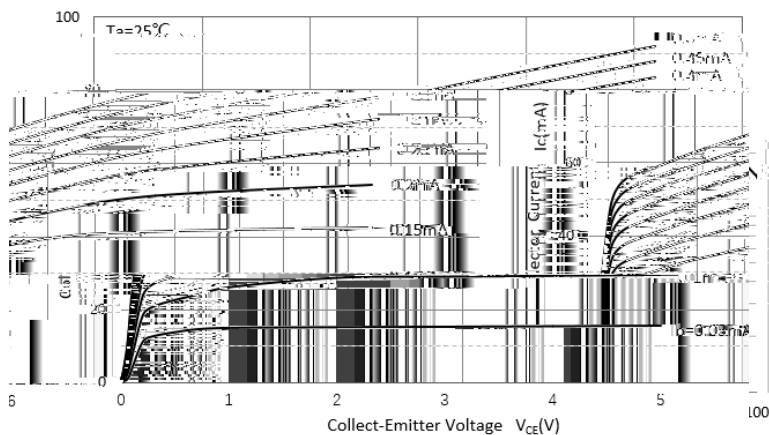
Parameter	Symbol	Test conditions	Min	TYP	Max	Unit
&ROOHFWRU EDVH EUHDNGRZQ YROWDJH — \$ 9	Q2	YROWDJH — \$ 9				
&ROOHFWRU HPLWWHU EUHDNGRZQ YROWDJH \$, % 9	Q2	YROWDJH \$, % 9				
(PLWWHU EDVH EUHDNGRZQ YROWDJH , (— \$9 , &	Q2	YROWDJH , (— \$9 , &				
&ROOHFWRU EDVH FXW RII FXUUHQW 9 & % 9 „ (	Q2	FXUUHQW 9 & % 9 „ (				
(PLWWHU EDVH FXW RII FXUUHQW	Q2	FXUUHQW 9 (% 9 , , &				Q \$
'& FXUUHQW JDLQ	) (	K 9 & (9 , & P \$				
&ROOHFWRU HPLWWHU VDWXUDWLRQ YROWDJH	9 & (VDW	, & P \$, % P \$				
	9 & (VDW	, & P \$, % P \$				
% DVH HPLWWHU VDWXUDWLRQ YROWDJH P \$, % P \$	9 & (VDW	9 & (9 , & P \$				
% DVH HPLWWHU YROWDJH	9 % (	9 & (9 , & P \$				
	9 % (	9 & (9 , & P \$				
7UDQVLWLRQ IUHTXHQF\	7	9 & (9 , & P \$ I 0 +]				0 +]
&ROOHFWRU EDVH RXWSXW FDSDFLWDQFH & RE			9 & % 9 I	0 +]		



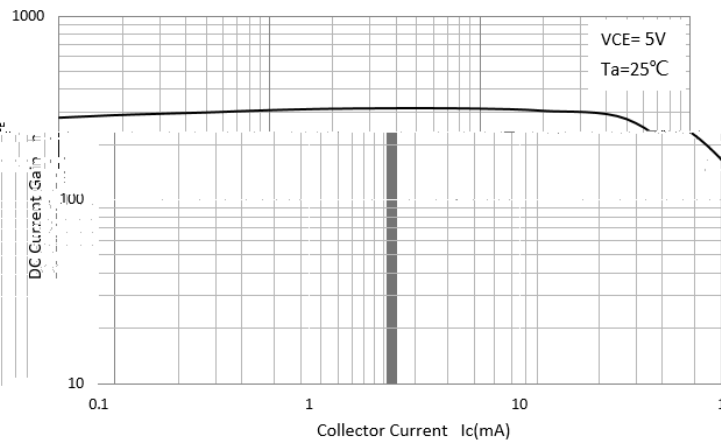
BC847BM

vCharacteristics 7\SLFDO

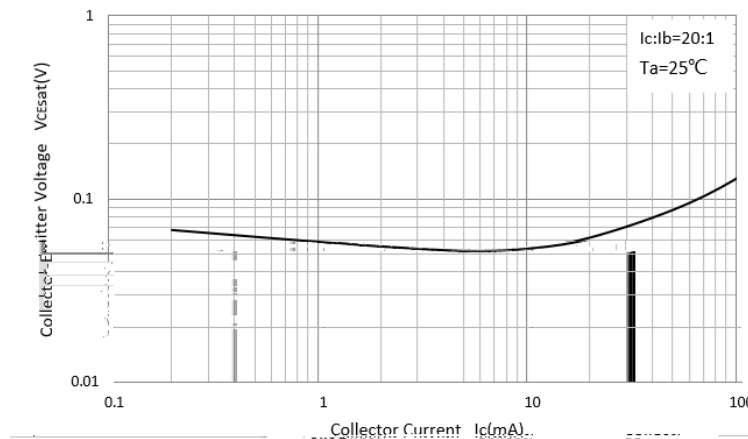
Static Characteristic



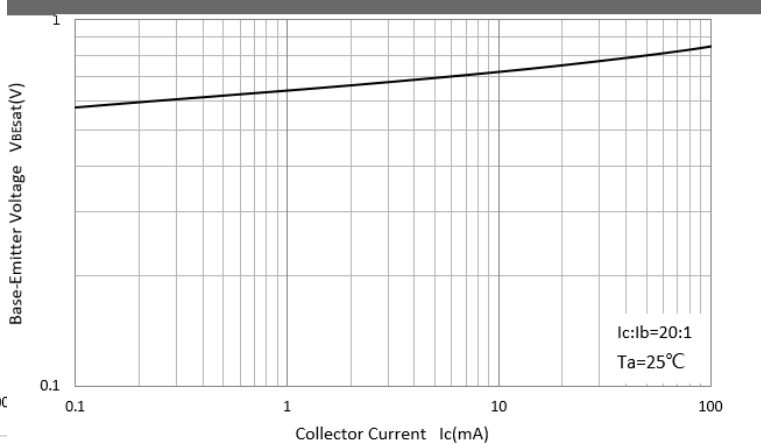
DC Current Gain



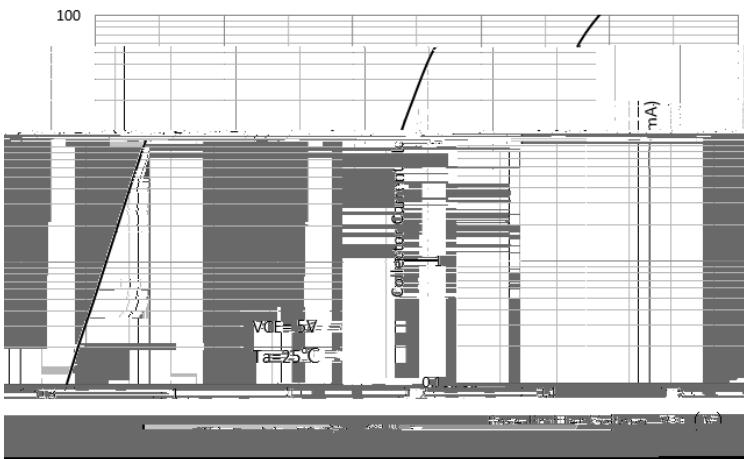
Collector-Emitter Saturation Voltage



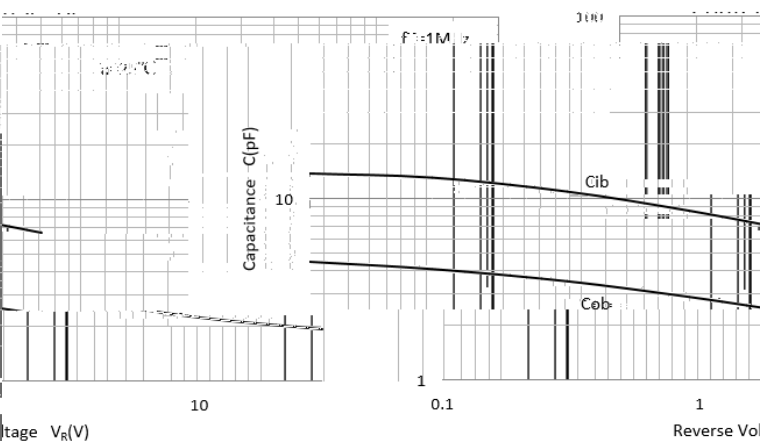
Base-Emitter Saturation Voltage



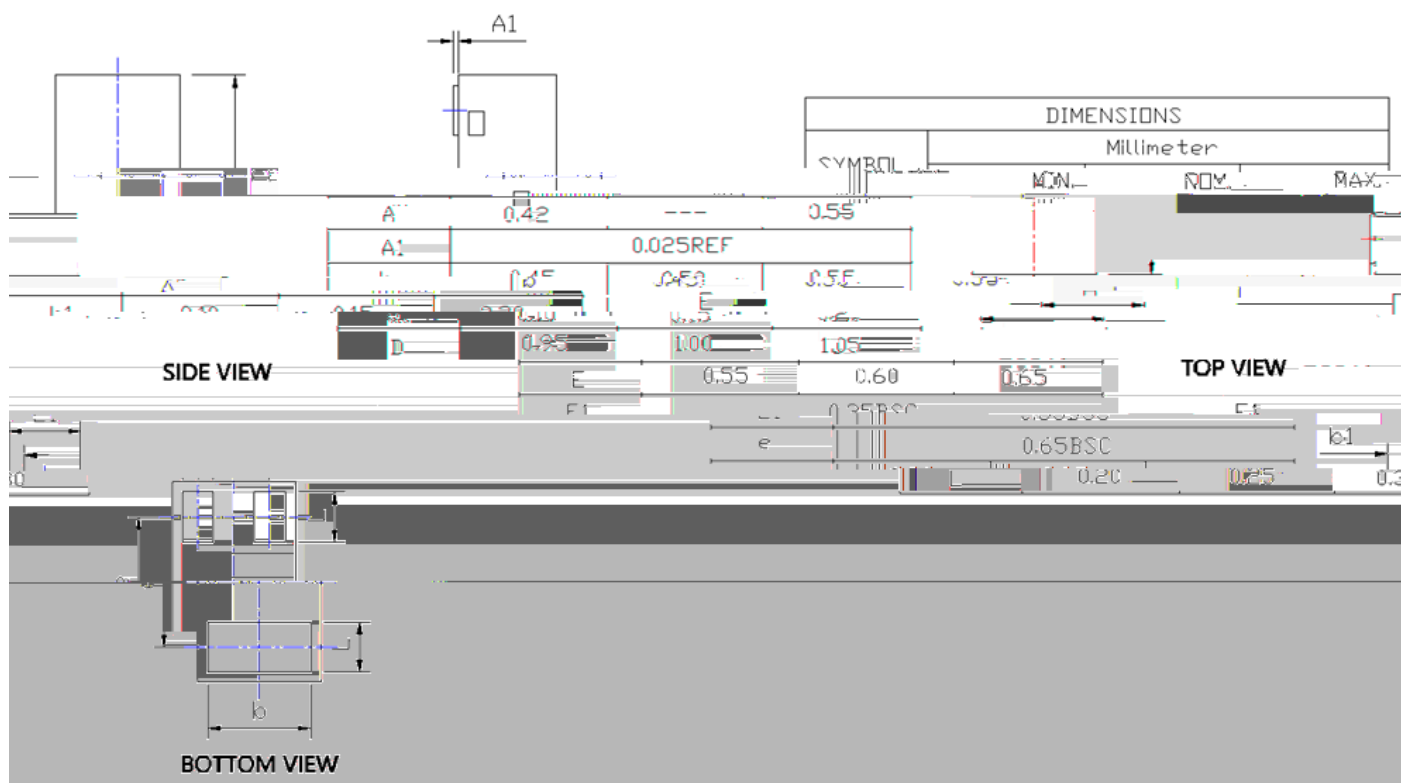
Base-Emitter On Voltage



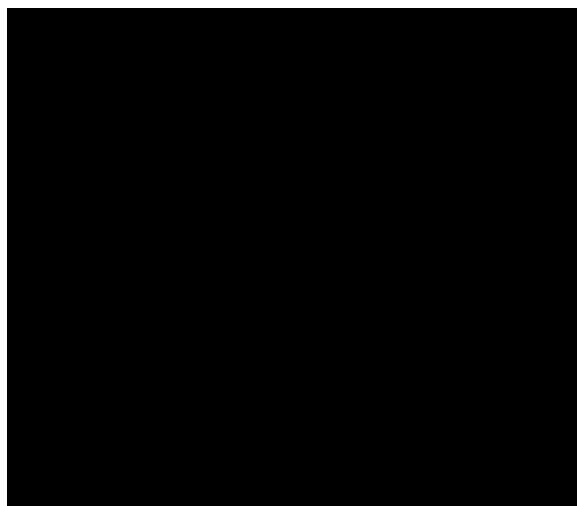
$C_{ob}/C_{ib}: V_{ce}/V_{be}$



Outline Dimensions



■ Soldering Footprint





BC847BM

Disclaimer

7KH LQIRUPDWLRQ V GHVFHQWQV LQ WKULFDHQHJKRXFHDROQDZHF(KQHFOVRURQLF /WHG UHV
ULJKW WR PDNIHWKRDQW HQRWVSHFIRIWLADWSLRQG RFWV GLVSPDARIYGHKWHWGHLDQEWGHWVLJQQF
RU RWKHUZZLVH
7KH SURGXFWQLVGHV/KJHGL WR EH HXVHHGWZLRQK RUGXQSDPHQW RU GHYLFHWKDQGQ
HTXLSPHQW RU GHYLFHV ZKLFK UHTXLWKKHEDIOIOZQVWLZRXDWHQGGDEHQDHWK DPHKQDOLIH
PHGLFDO LQVWUXEHSDUWHQWLRQHUTXVLSPEH QDFIOHQ U UHDFWKHUO FFRQWUURDQHWV DQ
GHYLFHV <DQJMLHVRV DQKROH DQVXRLOVQARRWHO SREQVLEWHVROVLIQQJGIDRPJMMFK LP
RIVDOH
7KLV SXEOLFDWLRQ SXVSHUW DGDVLQURQPDVLSRQLSGHYRLR XVGGLWLRQDO LQWRUPDWLR
KWS ZZZ \DQJMLH FRP RU FRQDQW RRLUFHQHFWH XVWWKDQJJDVMI VWDQFH