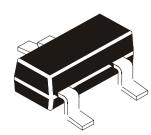
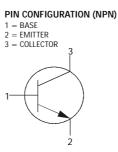


NPN EPITAXIAL PLANAR SILICON TRANSISTOR

CMBT847 SOT23





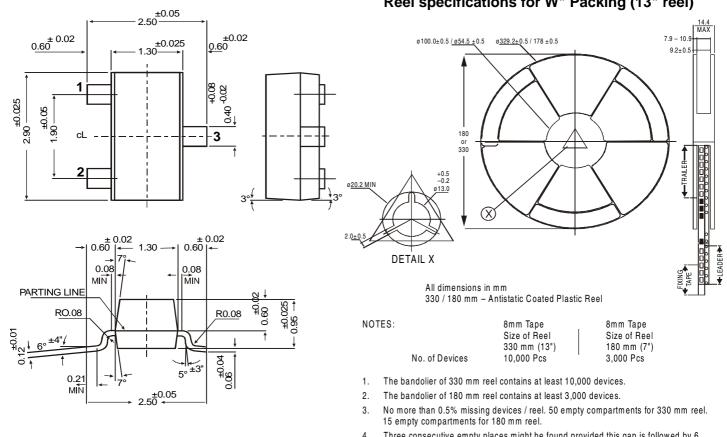
MARKING: AS BELOW

ABSOLUTE MAXIMUM RATINGS

DESCRIPTION	SYMBOL		VALUE			UNIT
Collector -Base Voltage	VCBO		50			V
Collector -Emitter Voltage	VCEO		50			V
Emitter Base Voltage	VEBO		6.0			V
Collector Current	IC		200			mA
Collector Power Dissipation	PC		150			mW
Operating And Storage Junction	Tj, Tstg		-55 to +150	C		deg C
Temperature Range						
ELECTRICAL CHARACTERISTICS (Ta=	25 deg C unl	ess otherwise specifie	d)			
DESCRIPTION	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Collector -Emitter Voltage	VCEO	IC=100uA, IB=0	50	-	-	V
Collector Cut off Current	ICBO	VCB=50V, IE=0	-	-	100	nA
Emitter Cut off Current	IEBO	VEB=6V, IC=0	-	-	100	nA
DC Current Gain	hFE(1)	IC=1mA,VCE=6V	150	-	800	
	hFE(2)	IC=0.1mA,VCE=6V	50	-	-	
Collector Emitter Saturation Voltage	VCE(Sat)	IC=100mA,IB=10mA	-	-	0.30	V
Base Emitter Saturation Voltage	VBE(Sat)	IC=100mA,IB=10mA	-	-	1.0	V
Dynamic Characteristics						
Transition Frequency	ft	VCE=6V,IC=10mA,	-	200	-	MHz
Collector Output Capacitance	Cob	VCB=6V, IE=0	-	2.5	-	pF
		f=1MHz				
Noise Figure	NF	VCE=6V, IE=0.1mA	-	-	15	dB
-		f=1kHz, Rg=2kohms				
CLASSIFICATION	E	F	G			
hFE(1)	150-300	250-500	400-800			
MARKING	NE	NF	NG			

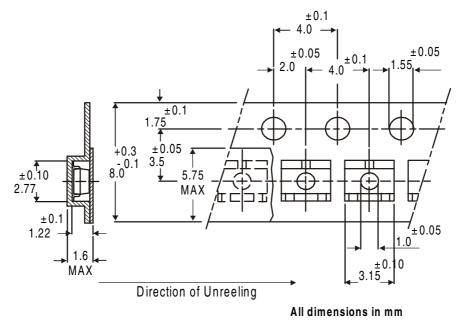
www.data SOT-23 Formed SMD Package

SOT-23 Package Reel Information Reel specifications for W" Packing (13" reel)



- 4. Three consecutive empty places might be found provided this gap is followed by 6 consecutive devices.
- 5. The carrier tape (leader) starts with at least 75 empty positions (equivalent to 330 mm). In order to fix the carrier tape a self adhesive tape of 20 to 50 mm is applied. At the end of the bandolier at least 40 empty positions (equivalent to 160 mm) are there.

Tape Specification for SOT-23 Surface Mount Device



Packing Detail

PACKAGE	STANDARD PACK		INNER CARTON BOX		OUTER CARTON BOX		
	Details	Net Weight/Qty	Size	Qty	Size	Qty	Gr Wt
SOT-23 T&R	3K/reel		3" x 7.5" x 7.5" 9" x 9" x 9"	12.0K 51.0K	17" x 15" x 13.5" 19" x 19" x 19"	192.0K 408.0K	12 kgs 28 kgs
	10K/reel	415 gm/10K pcs	13" x 13" x 0.5"	10.0K	17" x 15" x 13.5"	300.0K	16 kgs

Disclaimer

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Data Sheet