

DESCRIPTION

FEATURES

- ## MECHANICAL DATA

122

VARIABLE CAPACITANCE SMD DIODES

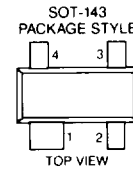
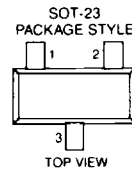
ELECTRICAL SPECIFICATIONS

TYPE	PACKAGE	RATINGS		C _d at V _R pF V		C _d RATIO f=1 MHz				r _s max Ω	PINOUT
		V _R V	I _F mA			min	typ.	max	@V1/V2		
BB215	SOD-80	30	20	18 min.	1	7.6	—	—	1/28	—	—
BB219	SOD-80	30	20	31 min.	1	12	—	—	1/28	—	—
BB804	SOT-23	18	50	44.5 typ.	2	1.65	—	1.75	2/8	0.2	L
BBY31	SOT-23	28	20	1.8-2.8	25	—	5	—	3/25	1.2	H
BBY39*	SOT-23	30	20	1.8-2.0	28	7.6	—	—	1/28	0.8	M
BBY40	SOT-23	28	20	4.3-6	25	5	—	5.6	3/25	0.6	H
BBY42	SOT-23	32	50	31 min.	1	12	—	16	1/28	1.2	H
BBY62*	SOT-143	30	50	17.5 typ.	1	—	5	—	3/25	1.0	J

*Dual diode

PINOUT DIAGRAMS

	PIN 1	PIN 2	PIN 3	PIN 4
PINOUT H: SOT-23	N.C.	A	K	—
PINOUT J: SOT-143	K ₁	K ₂	A ₂	A ₁
PINOUT L: SOT-23	K ₁	K ₂	K ₁ K ₂	—
PINOUT M: SOT-23	A ₁	A ₂	K ₁ K ₂	—



MARKING CODES

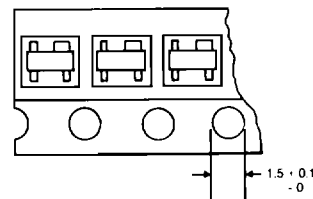
Type No.	Code or Stripe Color	Type No.	Code or Stripe Color	Type No.	Code or Stripe Color
BB215	Green and White	BBY31	S1	BBY42	*
BB219	White	BBY39	*	BBY62	S4
BB804	S3	BBY40	S2		

*See individual device data sheet

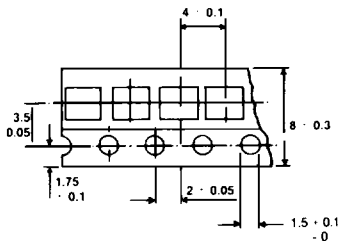
TAPE AND REEL SPECIFICATIONS

(Dimensions in mm)

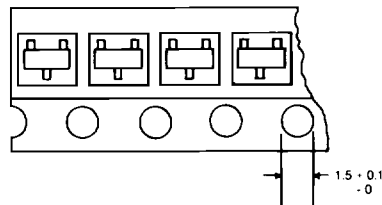
SM Package	Devices per reel	Reel Size (in)	Tape Width (mm)	Ordering Suffix
SOT-23	3K	7	8	TRL
	10K	13	8	TRL 13
SOT-143	3K	7	8	TRL
	10K	13	8	TRL 13
SOD-80	2.5K	7	8	TRL
	10K	13	8	TRL 13



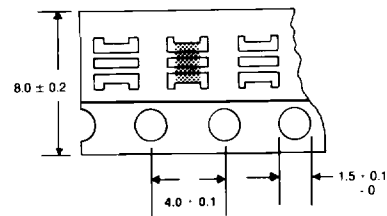
**SOT-143
ORIENTATION**



**SOT-23
TAPE DIMENSIONS**



**SOT-23
ORIENTATION**



**SOD-80
TAPE DIMENSIONS
AND ORIENTATION**
(STANDARD DIODE ORIENTATION IS
CATHODE BAND AT SPROCKET HOLE SIDE)