



SMALL SIGNAL PRODUCT

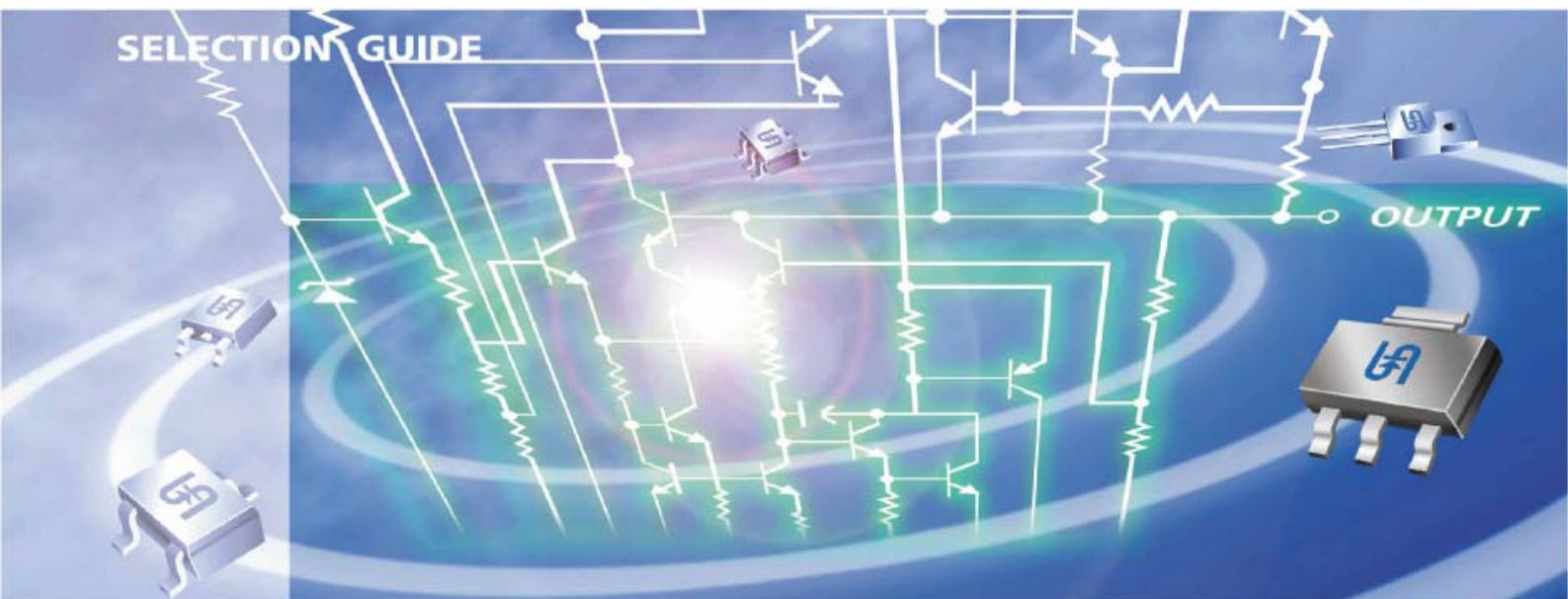




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Small Signal Product Overview

TSC small signal product portfolio includes :

- ESD Protection Supressors
- SCHOTTKY Diodes
- Switching Diodes
- ZENER Diodes
- Transistor

In order to fulfilling the requirement of customer. TSC devote effort on :

- Small size product
A comprehensive lineup of small surface-mount packages is available, including 1005, 0603 to meet the needs of smaller, lighter component.
- Wide range & High performance product
TSC expand the SCHOTTKY, SWITHCING, ZENER ,ESD protection diodes product family with high quality to support customer's need.



ESD Protection Suppressors

Part No.	Breakdown Voltage		Leakage Current		Capacitance		Peak ESD voltage	Peak pulse current	Package Power	Case Type	Outline
	V _{BR} (V)		I _{RM} (uA)		C _J (pF)		V _{ESD}	IPP	P _d		
	Min.	Typ.	Typ.	Max.	Typ.	Max.	kV	A	mW		
TESDE5V0	5.1	7.0	± 0.1	± 2.0	15	20	16	5.1	100	0503	
TESDE12V	14.0	17.0	± 0.1	± 2.0	12	—	16	15	100	0503	
TESDE24V	25.0	28.0	± 0.1	± 2.0	10	—	16	15	100	0503	
TESDE36V	38.0	40.0	± 0.1	± 2.0	5	—	16	15	100	0503	
TESDU5V0	5.1	7.0	± 0.1	± 2.0	15	20	16	5.1	100	0603	
TESDU12V	14.0	17.0	± 0.1	± 2.0	12	—	16	15	100	0603	
TESDU24V	25.0	28.0	± 0.1	± 2.0	10	—	16	15	100	0603	
TESDU36V	38.0	40.0	± 0.1	± 2.0	5	—	16	15	100	0603	
TESDL5V0	5.1	7.0	± 0.1	± 2.0	15	20	16	5.1	100	1005	
TESDL12V	14.0	17.0	± 0.1	± 2.0	12	—	16	15	100	1005	
TESDL24V	25.0	28.0	± 0.1	± 2.0	10	—	16	15	100	1005	
TESDL36V	38.0	40.0	± 0.1	± 2.0	5	—	16	15	100	1005	

Part No. (Diode Array 4 channels)	Breakdown Voltage		Leakage Current		Capacitance		Peak ESD voltage	Peak pulse current	Package Power	Case Type	Outline
	V _{BR} (V)		I _{RM} (uA)		C _J (pF)		V _{ESD}	IPP	P _d		
	Min.	Typ.	Typ.	Max.	Typ.	Max.	kV	A	mW		
*TESDR5V0	6	-	-	5	5	-	16	6	100	SOT-23-6	

* : On developing

SCHOTTKY Diodes

Part No.	Absolute Max. Rating (Ta= 25°C)					Electrical Characteristics (Ta= 25°C)							Case Type	Outline
	VRRM	VR	Io	IFSM		VF(V) Max.		IR(μA) Max.		Cj(pF) Typ.				
	(V)	(V)	(mA)	(A)	@mS		IF(mA)		VR(V)		VR(V)	f (MHz)		
TSS0340U	45	40	30	0.5	8.3	0.37	1	0.50	30	1.5	1	1	0603	
TSS40U	40	40	200	0.6	8.3	1.00	40	0.20	30	5	0	1	0603	
TSS42U	30	30	200	4.0	8.3	0.40	10	0.50	25	10	1	1	0603	
TSS43U	30	30	200	4.0	8.3	0.45	15	0.50	25	10	1	1	0603	
TSS54U	30	30	200	0.6	8.3	0.32	1	2.00	25	10	1	1	0603	
TSS70U	70	70	70	0.1	8.3	0.41	1	0.10	50	2	0	1	0603	

Part No.	Absolute Max. Rating (Ta= 25°C)					Electrical Characteristics (Ta= 25°C)							Case Type	Outline
	VRRM	VR	Io	IFSM		VF(V) Max.		IR(μA) Max.		Cj(pF) Typ.				
	(V)	(V)	(mA)	(A)	@mS		IF(mA)		VR(V)		VR(V)	f (MHz)		
TSS0340L	45	40	30	0.5	8.3	0.37	1	0.50	30	1.5	1	1	1005	
TSS40L	40	40	200	0.6	8.3	1.00	40	0.20	30	5	0	1	1005	
TSS42L	30	30	200	4.0	8.3	0.40	10	0.50	25	10	1	1	1005	
TSS43L	30	30	200	4.0	8.3	0.45	15	0.50	25	10	1	1	1005	
TSS54L	30	30	200	0.6	8.3	1.00	100	2.00	25	10	1	1	1005	
TSS70L	70	70	70	0.1	8.3	0.41	1	0.10	50	2	0	1	1005	

Part No.	Absolute Max. Rating (Ta= 25°C)					Electrical Characteristics (Ta= 25°C)							Case Type	Outline
	VRRM	VR	Io	IFSM		VF(V) Max.		IR(μA) Max.		Cj(pF) Typ.				
	(V)	(V)	(mA)	(A)	@mS		IF(mA)		VR(V)		VR(V)	f (MHz)		
BAT42	30	30	200	4	10	1.00	200	0.50	25	7	1	1	DO-35	
BAT43	30	30	200	4	10	1.00	200	0.50	25	7	1	1	DO-35	
SD101A/B/C	40	40-60	15	2	10	1.00	30	0.50	15	2	1	1	DO-35	
SD103A/B/C	40	20-40	350	15	10	1.00	30	0.50	15	2	1	1	DO-35	



SCHOTTKY Diodes

Part No.	Absolute Max. Rating (Ta= 25°C)					Electrical Characteristics (Ta= 25°C)							Case Type	Outline
	V _{RRM}	V _R	I _O	I _{FSM}		V _F (V) Max.		I _R (μ A) Max.		C _J (pF) Typ.				
	(V)	(V)	(mA)	(A)	@mS		I _F (mA)		V _R (V)		V _R (V)	f (MHz)		
B0520LW	20	20	500	5.5	10	0.39	500	250	20	170	0	1	SOD-123	
B0530LW	30	30	500	5.5	10	0.43	500	130	30	170	0	1	SOD-123	
B0540LW	40	40	500	5.5	10	0.62	1000	20	40	170	0	1	SOD-123	
BAT42W	30	30	200	4	10	0.65	50	0.50	25	10	1	1	SOD-123	
BAT43W	30	30	200	4	10	0.45	15	0.50	25	10	1	1	SOD-123	
SD101AW	60	60	15	2	10	1.00	15	0.20	50	2	0	1	SOD-123	
SD101BW	50	50	14	2	10	0.95	15	0.20	40	2.1	0	1	SOD-123	
SD101CW	40	40	14	2	10	0.90	15	0.20	30	2.2	0	1	SOD-123	
SD103AW	40	40	350	1.5	10	0.60	200	5.00	30	5	0	1	SOD-123	
SD103BW	30	30	350	1.5	10	0.60	200	5.00	20	5	0	1	SOD-123	
SD103CW	20	20	350	1.5	10	0.60	200	5.00	10	5	0	1	SOD-123	

Part No.	Absolute Max. Rating (Ta= 25°C)					Electrical Characteristics (Ta= 25°C)							Case Type	Outline
	V _{RRM}	V _R	I _O	I _{FSM}		V _F (V) Max.		I _R (μ A) Max.		C _J (pF) Typ.				
	(V)	(V)	(mA)	(A)	@mS		I _F (mA)		V _R (V)		V _R (V)	f (MHz)		
B0530WS	30	20		5	10	0.47	500	100	20	58	0	1	SOD-323F	
BAT42WS	30	30	200	4	10	1.00	200	0.50	25	7	1	1	SOD-323F	
BAT43WS	30	30	200	4	10	1.00	200	0.50	25	7	1	1	SOD-323F	



SCHOTTKY Diodes

Part No.	Absolute Max. Rating (Ta= 25°C)					Electrical Characteristics (Ta= 25°C)							Case Type	Outline
	VRRM	VR	Io	IFSM		VF(V) Max.		IR(uA) Max.		Cj(pF) Typ.				
	(V)	(V)	(mA)	(A)	@mS		IF(mA)		VR(V)		VR(V)	f (MHz)		
BAS40	40	40	200	0.6	1000	1.00	40	0.20	30	5	0	1	SOT-23	
BAS40-04	40	40	200	0.6	1000	1.00	40	0.20	30	5	0	1	SOT-23	
BAS40-05	40	40	200	0.6	1000	1.00	40	0.20	30	5	0	1	SOT-23	
BAS40-06	40	40	200	0.6	1000	1.00	40	0.20	30	5	0	1	SOT-23	
BAS70	70	70	70	0.6	1000	1.00	15	0.12	50	2	0	1	SOT-23	
BAS70-04	70	70	70	0.6	1000	1.00	15	0.12	50	2	0	1	SOT-23	
BAS70-05	70	70	70	0.6	1000	1.00	15	0.12	50	2	0	1	SOT-23	
BAS70-06	70	70	70	0.6	1000	1.00	15	0.12	50	2	0	1	SOT-23	
BAT54	30	30	200	0.6	1000	1.00	100	2.00	25	10	1	1	SOT-23	
BAT54A	30	30	200	0.6	1000	1.00	100	2.00	25	10	1	1	SOT-23	
BAT54AS	30	30	200	0.6	1000	1.00	100	2.00	25	10	1	1	SOT-23	
BAT54C	30	30	200	0.6	1000	1.00	100	2.00	25	10	1	1	SOT-23	

SWITCHING Diodes

Part No.	Absolute Max. Rating (Ta= 25°C)						Electrical Characteristics (Ta= 25°C)							Case Type	Outline
	VRRM	VR	Io	Pd	IFSM		VF(V) Max.		IR(uA) Max.		CJ(pF) Typ.				
	(V)	(V)	(mA)	mW	(A)	@mS		IF(mA)		VR(V)		VR(V)	f (MHz)		
TS4148 RX	100	75	150	400	0.5	1000	1	10	5	75	4	0	5	1206	
TS4148 RY	100	75	150	400	0.5	1000	1	10	5	75	4	0	5	0805	

Part No.	Absolute Max. Rating (Ta= 25°C)						Electrical Characteristics (Ta= 25°C)							Case Type	Outline
	VRRM	VR	Io	Pd	IFSM		VF(V) Max.		IR(uA) Max.		CJ(pF) Typ.				
	(V)	(V)	(mA)	mW	(A)	@mS		IF(mA)		VR(V)		VR(V)	f (MHz)		
TS4148 RZ	100	80	150	300	1	8.3	1	100	0.1	80	4	6	10	0603	
TS4448 RZ	100	80	125	300	1	8.3	1	100	0.1	80	9	6	1	0603	
TS4148 RW	100	75	350	300	1	8.3	1	50	2.5	75	4	6	10	1005	
TS4448 RW	100	80	300	300	1	8.3	1	100	0.1	80	4	6	10	1005	

Part No.	Absolute Max. Rating (Ta= 25°C)						Electrical Characteristics (Ta= 25°C)							Case Type	Outline
	VRRM	VR	Io	Pd	IFSM		VF(V) Max.		IR(uA) Max.		CJ(pF) Typ.				
	(V)	(V)	(mA)	mW	(A)	@mS		IF(mA)		VR(V)		VR(V)	f (MHz)		
1N4148	100	100	500	450	2	10	1	10	5	75	4	6	10	DO-35	
BAV19	250	120	500	200	4	0.001	1	100	0.1	100	5	0	1	DO-35	
BAV20	250	200	500	200	4	0.001	1	100	0.1	150	5	0	1	DO-35	
BAV21	250	250	500	200	4	0.001	1	100	0.1	200	5	0	1	DO-35	

Part No.	Absolute Max. Rating (Ta= 25°C)						Electrical Characteristics (Ta= 25°C)							Case Type	Outline
	VRRM	VR	Io	Pd	IFSM		VF(V) Max.		IR(uA) Max.		CJ(pF) Typ.				
	(V)	(V)	(mA)	mW	(A)	@mS		IF(mA)		VR(V)		VR(V)	f (MHz)		
LL4148	75	100	500	450	2	0.001	1	10	5	75	4	6	10	MMELF	
LL4448	75	100	500	450	2	0.001	0.72	5	5	75	4	6	10	MMELF	
LS4148	100	100	150	500	2	0.001	1	10	5	75	4	6	10	QMMELF	
LS4448	100	100	150	500	2	0.001	0.72	5	5	75	4	6	10	QMMELF	

SWITCHING Diodes

Part No.	Absolute Max. Rating (Ta= 25°C)						Electrical Characteristics (Ta= 25°C)							Case Type	Outline
	VRRM	VR	Io	Pd	IFSM		VF(V) Max.		IR(uA) Max.		CJ(pF) Typ.				
	(V)	(V)	(mA)	mW	(A)	@mS		IF(mA)		VR(V)		VR(V)	f (MHz)		
1N4148W	75	100	400	400	1	1000	1	10	5	75	4	0	10	SOD-123	
BAV19W	250	120	400	200	4	0.001	1	100	0.1	100	5	0	1	SOD-123	
BAV20W	250	200	400	200	4	0.001	1	100	0.1	150	5	0	1	SOD-123	
BAV21W	250	250	400	200	4	0.001	1	100	0.1	200	5	0	1	SOD-123	

Part No.	Absolute Max. Rating (Ta= 25°C)						Electrical Characteristics (Ta= 25°C)							Case Type	Outline
	VRRM	VR	Io	Pd	IFSM		VF(V) Max.		IR(uA) Max.		CJ(pF) Typ.				
	(V)	(V)	(mA)	mW	(A)	@mS		IF(mA)		VR(V)		VR(V)	f (MHz)		
1N4148WS	75	100	200	300	2	0.001	1	10	5	75	4	0	1	SOD-323F	
1N4448WS	75	100	200	300	2	0.001	0.72	5	5	75	4	0	1	SOD-323F	
1N9148BWS	75	100	200	300	2	0.001	0.72	5	5	75	4	0	1	SOD-323F	
BAV16WS	75	100	200	300	2	0.001	0.72	5	5	75	4	0	1	SOD-323F	
BAV19WS	250	120	200	200	4	0.001	1.0	100	0.1	100	5	0	1	SOD-323F	
BAV20WS	250	200	200	200	4	0.001	1.0	100	0.1	150	5	0	1	SOD-323F	
BAV21WS	250	250	200	200	4	0.001	1.0	100	0.1	200	5	0	1	SOD-323F	

Part No.	Absolute Max. Rating (Ta= 25°C)						Electrical Characteristics (Ta= 25°C)							Case Type	Outline
	VRRM	VR	Io	Pd	IFSM		VF(V) Max.		IR(uA) Max.		CJ(pF) Typ.				
	(V)	(V)	(mA)	mW	(A)	@mS		IF(mA)		VR(V)		VR(V)	f (MHz)		
BAS16	75	75	225	300	2	0.001	1.25	150	1	75	4	0	1	SOT-23	
BAS19	100	100	250	250	2.5	0.001	1.25	200	0.1	100	5	0	1	SOT-23	
BAS20	150	150	250	250	2.5	0.001	1.25	200	0.1	150	5	0	1	SOT-23	
BAV70	70	70	225	200	4.5	0.001	1.25	150	2.5	70	6	0	1	SOT-23	
BAV99	70	70	225	200	2	0.001	1.25	150	2.5	70	6	0	1	SOT-23	
BAW56	70	70	225	200	4.5	0.001	1.25	150	2.5	70	6	0	1	SOT-23	



Bipolar Transistor

Device	Polarity	P _{tot} (mW)	I _C (mA)	V _{CB0} (V)	V _{CE0} (V)	V _{EB0} (V)	H _{FE} Min.	H _{FE} Max.	H _{FE} @ V _{CE} (V)	H _{FE} @ I _C /I _E (mA)	V _{CE} (SAT) Max (V)	f _T (MHz)	Case Type	Outline
BC846A	NPN	200	100	80	65	6	110	220	5	2	0.5	100	SOT-23	
BC846B	NPN	200	100	80	65	6	200	450	5	2	0.5	100	SOT-23	
BC847A	NPN	200	100	50	45	6	110	220	5	2	0.5	100	SOT-23	
BC847B	NPN	200	100	50	45	6	200	450	5	2	0.5	100	SOT-23	
BC847C	NPN	200	100	50	45	6	420	800	5	2	0.5	100	SOT-23	
BC848A	NPN	200	100	30	30	6	110	220	5	2	0.5	100	SOT-23	
BC848B	NPN	200	100	30	30	6	200	450	5	2	0.5	100	SOT-23	
BC848C	NPN	200	100	30	30	6	420	800	5	2	0.5	100	SOT-23	
BC817-16	NPN	300	500	50	45	5	100	250	1	100	0.7	100	SOT-23	
BC817-25	NPN	300	500	50	45	5	160	400	1	100	0.7	100	SOT-23	
BC817-40	NPN	300	500	50	45	5	250	600	1	100	0.7	100	SOT-23	

Device	Polarity	P _{tot} (mW)	I _C (mA)	V _{CB0} (V)	V _{CE0} (V)	V _{EB0} (V)	H _{FE} Min.	H _{FE} Max.	H _{FE} @ V _{CE} (V)	H _{FE} @ I _C /I _E (mA)	V _{CE} (SAT) Max (V)	f _T (MHz)	Case Type	Outline
BC856A	PNP	200	-100	-80	-65	-5	125	250	-5	-2	-0.5	100	SOT-23	
BC856B	PNP	200	-100	-80	-65	-5	220	475	-5	-2	-0.5	100	SOT-23	
BC857A	PNP	200	-100	-50	-45	-5	125	250	-5	-2	-0.5	100	SOT-23	
BC857B	PNP	200	-100	-50	-45	-5	220	475	-5	-2	-0.5	100	SOT-23	
BC857C	PNP	200	-100	-50	-45	-5	420	800	-5	-2	-0.5	100	SOT-23	
BC858A	PNP	200	-100	-30	-30	-5	125	250	-5	-2	-0.5	100	SOT-23	
BC858B	PNP	200	-100	-30	-30	-5	220	475	-5	-2	-0.5	100	SOT-23	
BC858C	PNP	200	-100	-30	-30	-5	420	800	-5	-2	-0.5	100	SOT-23	
BC807-16	PNP	300	-500	-50	-45	-5	100	250	-1	-100	-0.7	100	SOT-23	
BC807-25	PNP	300	-500	-50	-45	-5	160	400	-1	-100	-0.7	100	SOT-23	
BC807-40	PNP	300	-500	-50	-45	-5	250	600	-1	-100	-0.7	100	SOT-23	



Bipolar Transistor

Device	Polarity	P _{tot} (mW)	I _C (mA)	V _{CB0} (V)	V _{CE0} (V)	V _{EB0} (V)	H _{FE} Min.	H _{FE} Max.	H _{FE} @ V _{CE} (V)	H _{FE} @ I _C /I _E (mA)	V _{CE} (SAT) Max (V)	f _T (MHz)	Case Type	Outline
BC548B	NPN	625	100	30	30	6	200	450	5	2	0.3	150	TO-92	
BF422	NPN	830	100	250	250	5	50	-	20	25	0.6	60	TO-92	
BF421	PNP	625	-100	-300	-300	-5	50	-	-20	-25	-0.6	60	TO-92	



ZENER Diodes

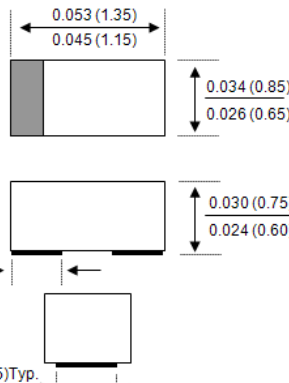
Part No.	Pd	Zener Voltage			Operating resistance		Rising operating resistance		Reverse	current	Case Type
		VZ (V)			ZZT (Ohm)		ZZK (Ohm)		IR (uA)		
	mW	Min.	Max.	Iz (mA)	Max.	Iz (mA)	Max.	Iz (mA)	Max.	VR (V)	
TSZU52C2-39	150	1.9-37	2.1-41	5.0	7-100	5.0	50-600	1	100	0.8-29	0603
TSZL52C2-39	200	1.9-37	2.1-41	5.0	7-100	5.0	50-600	1	100	0.8-29	1005
1N5221B-6025B	500	2.3-20.9	2.5-23.1	20	5.0-650	1.0-20	600-3000	0.25	0.1-100	1.0-82	DO-35
BZX55C2V4-91	500	2.3-85	2.6-96	7.0-250	1.0-5	10.0-250			0.1-50	1.0-69	DO-35
BZX79B2V4-75 ±5%	500	2.35-73.5	2.45-76.5	2.0-5.0	10-255	2.0-5.0	80-1000	0.5-1.0	0.05-150	1.0-52.5	DO-35
BZX79C2V0-75 ±2%	500	1.88-70	2.12-80	2.0-5.0	10-255	2.0-5.0	80-1000	0.5-1.0	0.05-150	1.0-52.5	DO-35
1N4728A-58A	1000	3.1-53.2	3.5-58.8	4.5-76	2.0-110	4.5-76	400-2000	0.25-1.0	5.0-100	1.0-42.6	DO-41
BZX85C3V3-100	1300	3.1-96	3.5-106	2.7-80	3.5-350	2.7-80	200-3000	0.25-1	0.5-60	1.0-68	DO-41
BZT55B2V0-75 ±5%	500	1.96-73.5	2.04-76.5	2.0-5.0	7-170	2.5-5	50-1000	0.5-1.0	0.1-50	1.0-56	QMMELF
BZT55C2V0-75 ±2%	500	1.88-70	2.11-80	2.0-5.0	7-170	2.5-5	50-1000	0.5-1.0	0.1-50	1.0-56	QMMELF
LLZ2V0-56V	500	1.9-53.2	2.1-58.8	5.0	20-120	5.0			0.2-120	0.7-43	MMELF
LLZ5221B-5263B	500	2.28-53.2	2.52-58.8	2.2-20	5.0-150	2.2-20	600-2000	0.25	0.1-100	1.0-43	MMELF
BZV55B2V0-56 ±5%	500	1.96-73.5	2.04-76.5	2.0-5.0	7-170	2.5-5	50-1000	0.5-1.0	0.1-50	1.0-56	MMELF
BZV55C2V0-56 ±2%	500	1.88-70	2.11-80	2.0-5.0	7-170	2.5-5	50-1000	0.5-1.0	0.1-50	1.0-56	MMELF
ZM4728A-4758A	500	3.14-53.2	3.47-58.8	4.5-76	2.0-110	4.5-76	400-2000	0.25-1.0	5-100	1.0-42.6	MELF
MMSZ2V4-56V ±5%	500	2.28-54.9	2.52-57.1	5.0	9-188	5.0	75-564	0.5-1.0	0.045-45	1.0-39.2	SOD-123F
MMSZ2V4B-56VB ±2%	500	2.28-54.9	2.52-57.1	5.0	9-188	5.0	75-564	0.5-1.0	0.045-45	1.0-39.2	SOD-123F
MMSZ5221B-5263B	500	2.28-53.2	2.52-58.8	2.2-20	5.0-150	2.2-20	600-2000	0.25	0.1-100	1.0-43	SOD-123F
BZT52C2V4S-51S	200	2.2-48	2.6-54	2.0-5.0	15.0-130	2.0-5.0	80-750	0.5-1.0	0.1-50	1.0-38	SOD-323F
MM3Z2V4C-56VC	200	2.28-53.2	2.52-58.8	5.0	14-188	5.0	75-564	0.5-1.0	0.045-45	1.0-39.2	SOD-323F
UDZS3V6B-36VB	200	3.6-35.07	3.85-36.9	5.0	20-100	5.0	75-600	0.5-1	0.045-4.5	1.0-25.2	SOD-323F
BZX84C2V4 -24	350	2.2-22.8	2.6-25.6	5.0	10-100	5.0	80-600	1	0.1-50	1.0-16.8	SOT-23

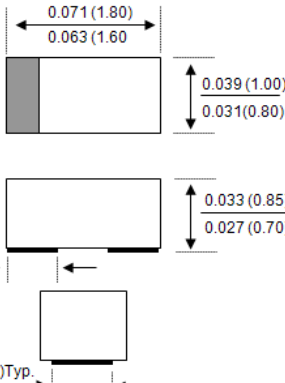


Main Application

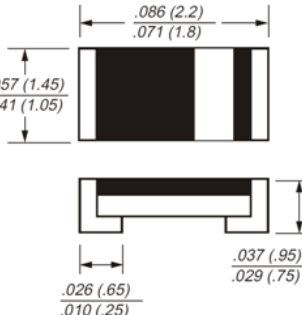
Application	TSC Recommend Product
 Computing	For Interface : Zener Diodes ; ESD protection For Power : Schottky ; Switching Diodes
 PDA/PPC/GPS	For Interface : Zener Diodes ; ESD protection For Power : Schottky ; Switching Diodes For Backlight : Zener Diodes ; ESD protection
 Mobile Phone	For Interface : Zener Diodes ; ESD protection For Power : Schottky ; Switching Diodes
 DSC/DVR	For Interface : Zener Diodes ; ESD protection For Power : Schottky ; Switching Diodes For converter : Schottky Diodes
 Home Theater	For Interface : Zener Diodes ; ESD protection For Power : Schottky ; Switching Diodes
 Li-ion Battery pack	For Interface : Zener Diodes ; ESD protection
 Networking	For Interface : Zener Diodes ; ESD protection For Power : Schottky ; Switching Diodes
 LCD/PDP TV	For Interface : Zener Diodes ; ESD protection For Power : Schottky ; Switching Diodes

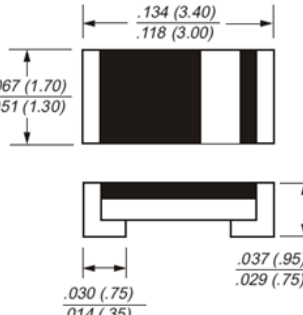
Package Overview

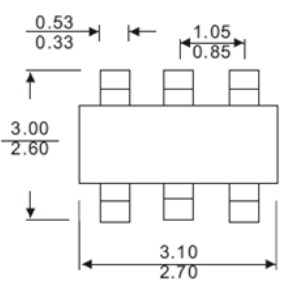
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	0503	

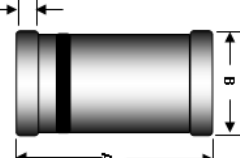
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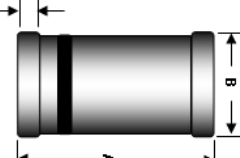
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	1005	

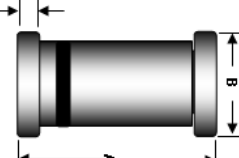
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	0805	

PKG	OUTLINE	
		
	1206	

PKG	OUTLINE	
		
	SOT-23-6	

PKG	OUTLINE	
		
	QMMELF	

PKG	OUTLINE	
		
	MMELF	

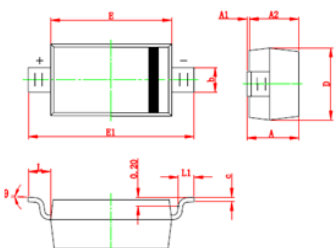
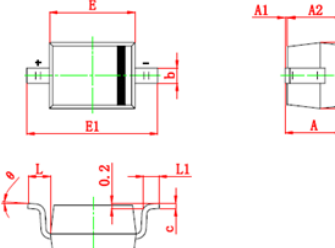
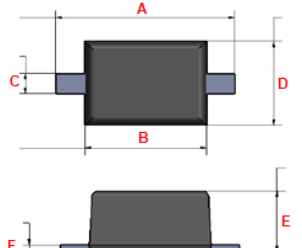
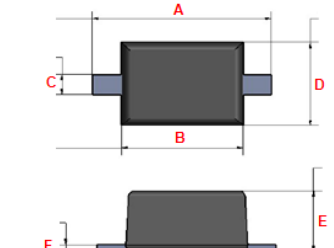
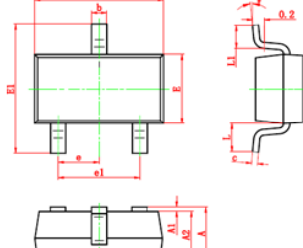
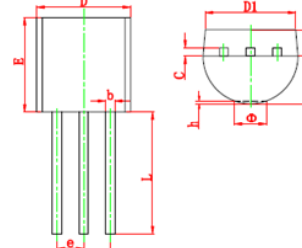
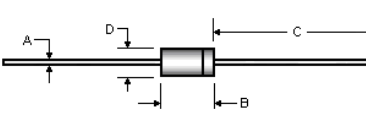
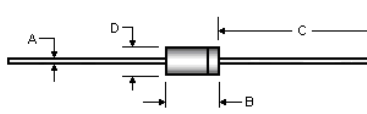
PKG	OUTLINE	
		
	MELF	

DIM	INCHES		Millimeters	
	Min	Max	Min	Max
A	0.130	0.146	3.30	3.70
B	0.055	0.063	1.40	1.60
C	0.010	0.016	0.25	0.40

DIM	INCHES		Millimeters	
	Min	Max	Min	Max
A	0.130	0.138	3.30	3.51
B	0.055	0.059	1.40	1.50
C	0.014	0.020	0.35	0.50

DIM	INCHES		Millimeters	
	Min	Max	Min	Max
A	0.189	0.205	4.80	5.20
B	0.094	0.105	2.39	2.66
C	0.016	0.022	0.41	0.55

Package Overview

PKG	OUTLINE				
					
	DIM	INCHES		Millimeters	
SOD123	A	Min	Max	Min	Max
	A1	Min	Max	Min	Max
	A2	Min	Max	Min	Max
	b	Min	Max	Min	Max
	c	Min	Max	Min	Max
	D	Min	Max	Min	Max
	E	Min	Max	Min	Max
	E1	Min	Max	Min	Max
	L	0.02 REF		0.50 REF	
	L1	Min	Max	Min	Max
	θ	Min	Max	Min	Max
PKG	OUTLINE				
					
	DIM	INCHES		Millimeters	
SOD323	A	Min	Max	Min	Max
	A1	Min	Max	Min	Max
	A2	Min	Max	Min	Max
	b	Min	Max	Min	Max
	c	Min	Max	Min	Max
	D	Min	Max	Min	Max
	E	Min	Max	Min	Max
	E1	Min	Max	Min	Max
	L	0.019 REF		0.475 REF	
	L1	Min	Max	Min	Max
	θ	Min	Max	Min	Max
PKG	OUTLINE				
					
	DIM	INCHES		Millimeters	
SOD123-F	A	Min	Max	Min	Max
	B	Min	Max	Min	Max
	C	Min	Max	Min	Max
	D	Min	Max	Min	Max
	E	Min	Max	Min	Max
	F	Min	Max	Min	Max
PKG	OUTLINE				
					
	DIM	INCHES		Millimeters	
SOD323-F	A	Min	Max	Min	Max
	B	Min	Max	Min	Max
	C	Min	Max	Min	Max
	D	Min	Max	Min	Max
	E	Min	Max	Min	Max
	F	Min	Max	Min	Max
PKG	OUTLINE				
					
	DIM	INCHES		Millimeters	
SOT23	A	Min	Max	Min	Max
	A1	Min	Max	Min	Max
	A2	Min	Max	Min	Max
	b	Min	Max	Min	Max
	c	Min	Max	Min	Max
	D	Min	Max	Min	Max
	E	Min	Max	Min	Max
	E1	Min	Max	Min	Max
	e	0.037 TYP		0.950 TYP	
	e1	Min	Max	Min	Max
	L	0.022 REF		0.550 REF	
	L1	Min	Max	Min	Max
	θ	Min	Max	Min	Max
PKG	OUTLINE				
					
	DIM	INCHES		Millimeters	
T092	A	Min	Max	Min	Max
	A1	Min	Max	Min	Max
	b	Min	Max	Min	Max
	c	Min	Max	Min	Max
	D	Min	Max	Min	Max
	D1	Min	Max	Min	Max
	E	Min	Max	Min	Max
	e	1.270 TYP		0.050 TYP	
	e1	Min	Max	Min	Max
	L	Min	Max	Min	Max
	Φ	Min	Max	Min	Max
	h	Min	Max	Min	Max
PKG	OUTLINE				
					
	DIM	INCHES		Millimeters	
DO-35	A	Min	Max	Min	Max
	B	Min	Max	Min	Max
	C	Min	Max	Min	Max
	D	Min	Max	Min	Max
PKG	OUTLINE				
					
	DIM	INCHES		Millimeters	
DO-41	A	Min	Max	Min	Max
	B	Min	Max	Min	Max
	C	Min	Max	Min	Max
	D	Min	Max	Min	Max



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