

POWER DISCRETES

Electrical Specifications (Cont.)

Electrical specifications @ $T_A = 25^\circ\text{C}$ unless otherwise specified.

Device Types	V_Z Nom	V_Z Min	V_Z Max	I_Z Test Current $T_A = +25^\circ\text{C}$	Z_Z Imped.	Z_K Knee Imped.	I_Z Max DC Current	V_Z (reg) Voltage Reg.	I_{ZSM} @ $T_A = +25^\circ\text{C}$	V_R Reverse Voltage	I_R Reverse Current DC	α VZ Temp. Coeff.	I_R Reverse Current DC $T_A = +150^\circ\text{C}$	I_{ZK} Test Current
	V	V	V	mA	Ω	Ω	mA	V	A	V	μA	$\%/^\circ\text{C}$	μA	mA
1N4971US	36	34.2	37.8	30	11	220	132	3.0	4.5	27.4	2.0	.095	100	1.0
1N4972US	39	37.1	40.9	30	14	230	122	3.0	4.0	29.7	2.0	.095	100	1.0
1N4973US	43	40.9	45.1	30	20	240	110	3.3	3.5	32.7	2.0	.095	100	1.0
1N4974US	47	44.7	49.3	25	25	250	100	3.5	3.2	35.8	2.0	.095	100	1.0
1N4975US	51	48.5	53.5	25	27	270	92	4.0	3.0	38.8	2.0	.095	100	1.0
1N4976US	56	53.2	58.8	20	35	320	84	4.4	2.8	42.6	2.0	.095	100	1.0
1N4977US	62	58.9	65.1	20	42	400	76	5.0	2.5	47.1	2.0	.100	100	1.0
1N4978US	68	64.6	71.4	20	50	500	70	5.5	2.2	51.7	2.0	.100	100	1.0
1N4979US	75	71.3	78.7	20	55	620	63	6.0	2.0	56	2.0	.100	100	1.0
1N4980US	82	77.9	86.1	15	80	720	58	6.6	1.8	62.2	2.0	.100	100	1.0
1N4981US	91	86.5	95.5	15	90	760	52.5	7.5	1.6	69.2	2.0	.100	100	1.0
1N4982US	100	95.0	105	12	110	800	47.5	8.0	1.4	76.0	2.0	.100	100	1.0
1N4983US	110	104.5	115.5	12	125	1000	43	9.0	1.2	83.6	2.0	.100	100	1.0
1N4984US	120	114.0	126.0	10	170	1150	39.5	10	1.0	91.2	2.0	.100	100	1.0
1N4985US	130	123.5	136.5	10	190	1250	36.6	11	.8	98.8	2.0	.105	100	1.0
1N4986US	150	142.5	157.5	8	330	1500	31.6	13	.75	114.0	2.0	.105	100	1.0
1N4987US	160	152	168	8	350	1650	29.4	14	.70	121.6	2.0	.105	100	1.0
1N4988US	180	171	189	5	450	1750	26.4	16	.60	136.8	2.0	.110	100	1.0
1N4989US	200	190	210	5	500	1850	23.6	18	.50	152.0	2.0	.110	100	1.0
1N4990US	220	209	231	5	550	2000	21.6	19	50	167.0	2.0	0.115	100	1.0

Notes:

- (1) Operating Temperature: -55°C to 175°C .
- (2) Storage Temperature: -65°C to 175°C .

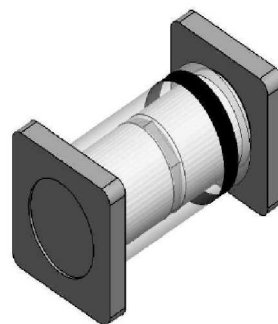
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Ordering Information

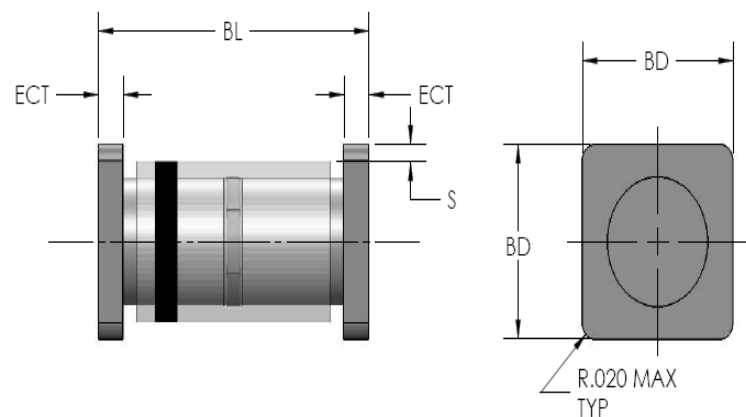
Part Number	Description
1N4954US	Surface Mount ⁽¹⁾
THRU	
1N4990US	

Note:

(1) Available in bulk or tape and reel packaging. Please consult factory for quantities.



Outline Drawing



Dimensions					
DIM ^a	Inches		Millimeters		Note
	MIN	MAX	MIN	MAX	
BL	.200	.225	5.08	5.72	-
ECT	0.019	0.028	0.48	0.72	-
S	0.003			0.08	-
BD	0.137	0.148	3.48	3.76	-

Contact Information

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