



安徽富信半导体科技有限公司

ANHUI FOSAN SEMICONDUCTOR TECHNOLOGY CO., LTD.

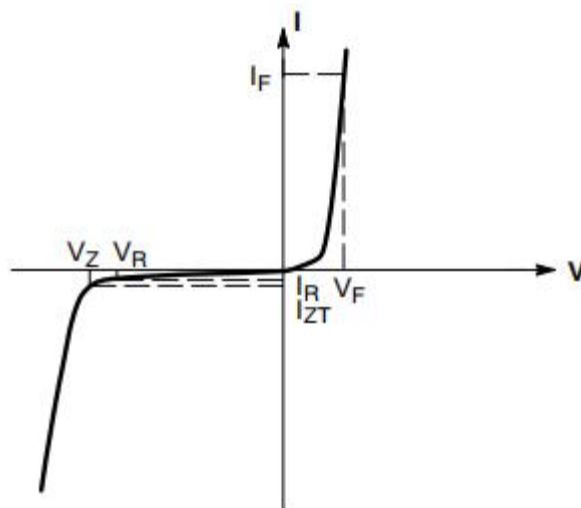
1N4733AM-1N4754AM

DO-41 Zener Diode 稳压二极管



■ Features 特点

Characteristic 特性参数	Symbol 符号	Max 最大值	Unit 单位
Power dissipation 耗散功率	P_D ($T_a=25^\circ\text{C}$)	1000	mW
Forward Current 正向电流	I_F	200	mA
Reverse Zener Current 反向稳压电流	I_{ZRM}	890-45	mA
Forward Voltage 正向电压	V_F (@ $I_F=200\text{mA}$)	1.2	V
Reverse Voltage 反向电压	V_Z	5.1-39	V
Junction and Storage Temperature 结温和储藏温度	T_J, T_{stg}	175°C, -55to+175°C	





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■Electrical Characteristics 电特性

($T_A=25^{\circ}\text{C}$ unless otherwise noted 如无特殊说明, 温度为 25°C)

Type	$V_Z(\text{V})@I_Z$			$Z_Z(\Omega)$ @ I_Z	I_Z (mA)	$Z_{ZK}(\Omega)$ @ I_{ZK}	I_{ZK} (mA)	$I_R(\mu\text{A})$ @ V_R	V_R (V)	I_{ZRM} (mA)	Marking
	Nom.	Min.	Max.								
1N4733AM	5.1	4.85	5.36	7	49	550	1	10	1	890	1N4733AM
1N4734AM	5.6	5.32	5.88	5	45	600	1	10	2	810	1N4734AM
1N4735AM	6.2	5.89	6.51	2	41	700	1	10	3	730	1N4735AM
1N4736AM	6.8	6.46	7.14	3.5	37	700	1	10	4	660	1N4736AM
1N4737AM	7.5	7.13	7.88	4	34	700	0.5	10	5	605	1N4737AM
1N4738AM	8.2	7.79	8.61	4.5	31	700	0.5	10	6	550	1N4738AM
1N4739AM	9.1	8.65	9.56	5	28	700	0.5	10	7	500	1N4739AM
1N4740AM	10	9.5	10.5	7	25	700	0.25	10	7.6	454	1N4740AM
1N4741AM	11	10.4	11.55	8	23	700	0.25	5	8.4	414	1N4741AM
1N4742AM	12	11.4	12.6	9	21	700	0.25	5	9.1	380	1N4742AM
1N4743AM	13	12.3	13.65	10	19	700	0.25	5	9.9	344	1N4743AM
1N4744AM	15	14.2	15.75	14	17	700	0.25	5	11.4	304	1N4744AM
1N4745AM	16	15.2	16.8	16	15.5	700	0.25	5	12.2	285	1N4745AM
1N4746AM	18	17.1	18.9	20	14	750	0.25	5	13.7	250	1N4746AM
1N4747AM	20	19	21	22	12.5	750	0.25	5	15.2	225	1N4747AM
1N4748AM	22	20.9	23.1	23	11.5	750	0.25	5	16.7	205	1N4748AM
1N4749AM	24	22.8	25.2	25	10.5	750	0.25	5	18.2	190	1N4749AM
1N4750AM	27	25.6	28.35	35	9.5	750	0.25	5	20.6	170	1N4750AM
1N4751AM	30	28.5	31.5	40	8.5	1000	0.25	5	22.8	150	1N4751AM
1N4752AM	33	31.3	34.65	45	7.5	1000	0.25	5	25.1	135	1N4752AM
1N4753AM	36	34.2	37.8	50	7	1000	0.25	5	27.4	125	1N4753AM
1N4754AM	39	37.0	40.95	60	6.5	1000	0.25	5	29.7	115	1N4754AM

■ Typical Characteristic Curve 典型特性曲线

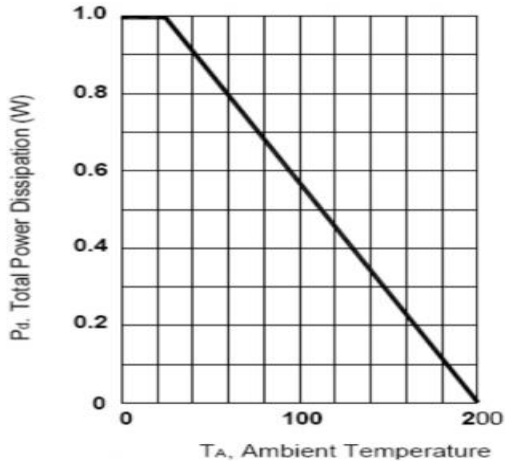


Figure 1: Power Derating Curve

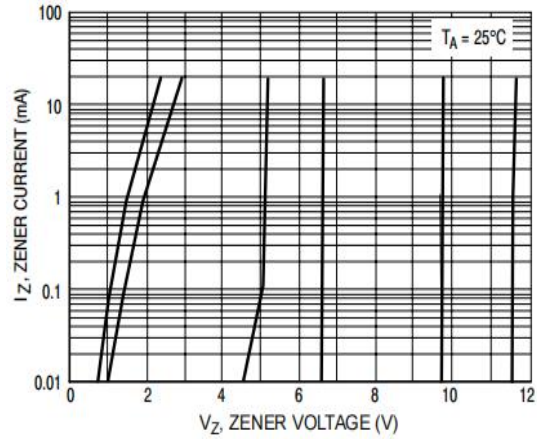


Figure 2: Zener Breakdown Characteristics

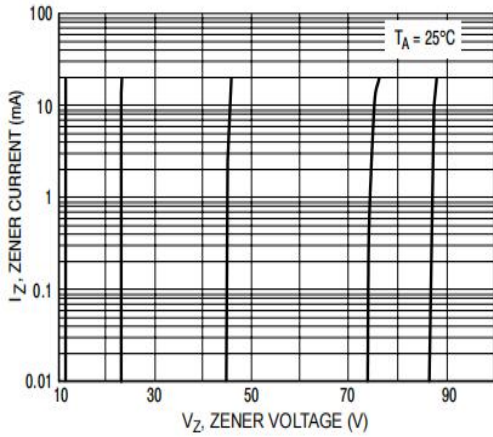


Figure 3: Zener Breakdown Characteristics

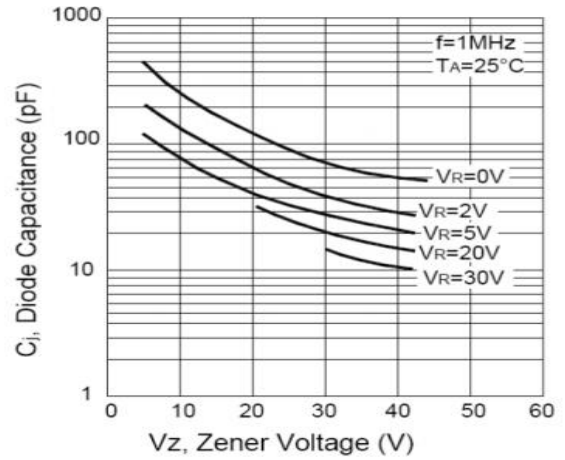


Figure 4: Capacitance Characteristics

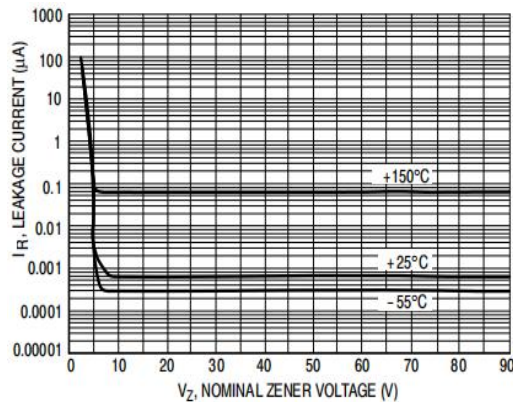
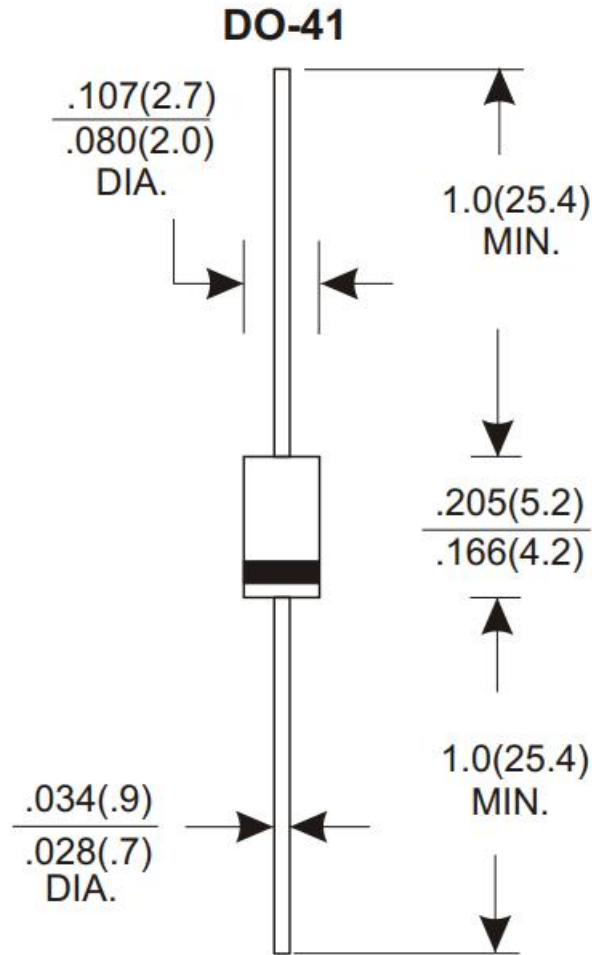


Figure 5: Leakage Current



■Dimension 外形封装尺寸



Dimensions in inches and (millimeters)