



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Micro Commercial Components



Micro Commercial Components
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DFLZ6V2
THRU
DFLZ39

Features

- Halogen free available upon request by adding suffix "-HF"
1.0W Power Dissipation
High Surge Capability
Ideally Suited for Automatic Assembly
Standard Vz Tolerance is +/- 5%
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1
Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)

Maximum Ratings

- Storage Temperature Range(Tstg): -55°C to +150°C
Operating Temperature Range(Tj): -55°C to +150°C

Table with 4 columns: Parameter, Symbol, Value, Units. Rows include Zener Current, Power Dissipation, Forward Voltage, Junction to Soldering Point, and Thermal resistance.

Note :1.High Temperature Solder Exemptions Applied,See EU Directive Annex 7.

1 Watt
Zener Diode
6.2V - 39V Volts

SOD-123FL

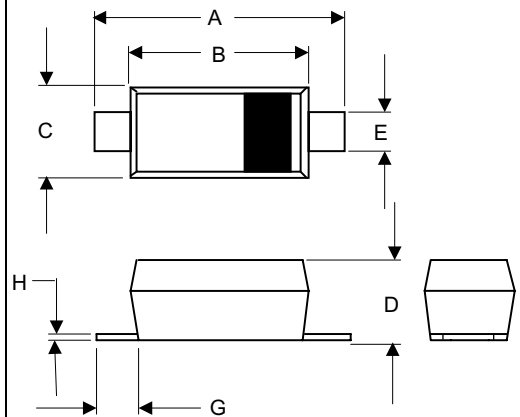
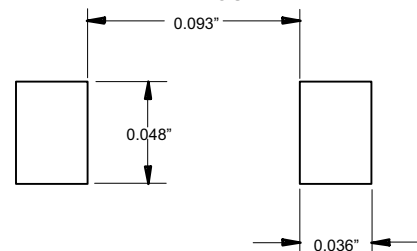


Table titled DIMENSIONS with columns for DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Lists dimensions A through H.

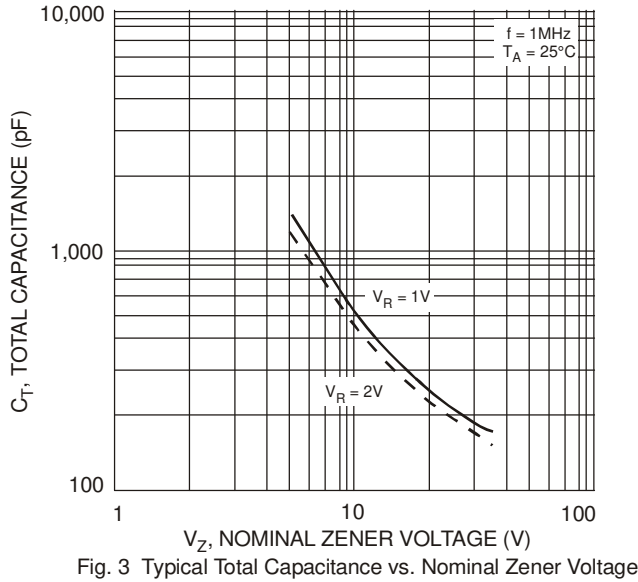
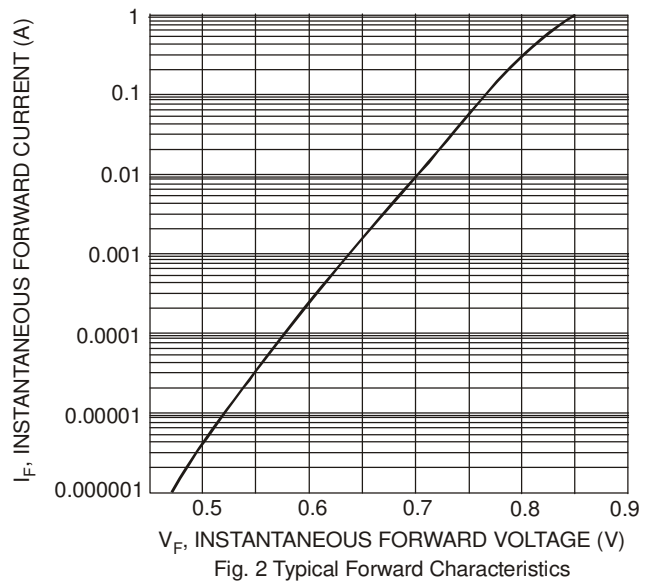
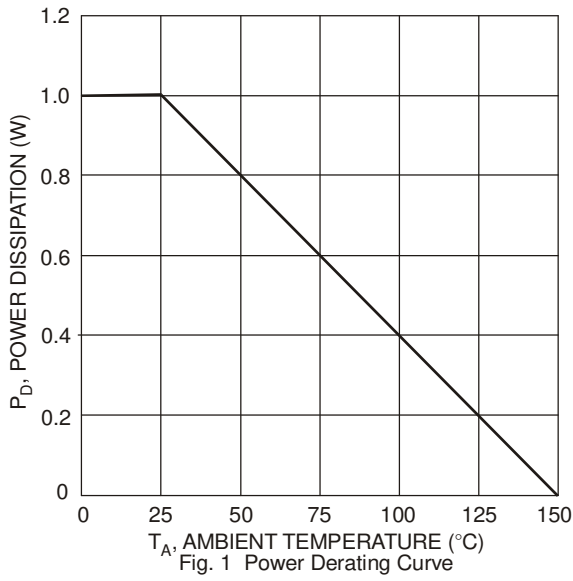
SUGGESTED SOLDER PAD LAYOUT



Electrical Characteristics @ 25°C Unless Otherwise Specified

Part Number	Zener Voltage V_Z Voltages				Maximum Zener Impedance $Z_{ZT}@I_{ZT}$		Reverse Current $I_R(\text{Max}) @ V_R$		Typical Temperature Coefficient $@I_{ZTC}(\%/^{\circ}\text{C})$		Marking
	Nom	Min	Max	$I_{ZT}(\text{mA})$	Typ (Ω)	Max (Ω)	$I_R(\mu\text{A})$	$V_R(\text{V})$	Min	Max	
DFLZ6V2	6.20	5.80	6.40	100	1.0	3.0	5	2.0	-0.01	0.06	6V2
DFLZ6V8	6.80	6.40	7.20	100	1.0	3.0	5	3.0	0	0.07	6V8
DFLZ7V5	7.50	7.00	7.90	100	1.0	2.0	5	3.0	0	0.07	7V5
DFLZ8V2	8.20	7.70	8.70	100	1.0	2.0	5	3.0	0.03	0.08	8V2
DFLZ9V1	9.10	8.50	9.60	50	1.0	4.0	5	5.0	0.03	0.08	9V1
DFLZ10	10.00	9.40	10.60	50	1.0	4.0	5	7.5	0.05	0.09	Z10
DFLZ11	11.00	10.40	11.60	50	1.0	7.0	4	8.2	0.05	0.10	Z11
DFLZ12	12.00	11.40	12.70	50	1.0	7.0	3	9.1	0.05	0.10	Z12
DFLZ13	13.00	12.40	14.10	50	1.0	10.0	2	10.0	0.05	0.10	Z13
DFLZ15	15.00	13.80	15.60	50	1.0	10.0	1	11.0	0.05	0.10	Z15
DFLZ16	16.00	15.30	17.10	25	1.0	15.0	1	12.0	0.06	0.11	Z16
DFLZ18	18.00	16.80	19.10	25	2.0	15.0	1	13.0	0.06	0.11	Z18
DFLZ20	20.00	18.80	21.20	25	3.0	15.0	1	15.0	0.06	0.11	Z20
DFLZ22	22.00	20.80	23.30	25	3.0	15.0	1	16.0	0.06	0.11	Z22
DFLZ24	24.00	22.80	25.60	25	2.0	15.0	1	18.0	0.06	0.11	Z24
DFLZ27	27.00	25.10	28.90	25	3.0	15.0	1	20.0	0.06	0.11	Z27
DFLZ30	30.00	28.00	32.00	25	8.0	15.0	1	22.0	0.06	0.11	Z30
DFLZ33	33.00	31.00	35.00	25	5.0	15.0	1	24.0	0.06	0.11	Z33
DFLZ36	36.00	34.00	38.00	10	5.0	40.0	1	27.0	0.06	0.11	Z36
DFLZ39	39.00	37.00	41.00	10	5.0	40.0	1	30.0	0.06	0.11	Z39

Notes: 1. Short duration pulse test used to minimize self-heating effect.





Micro Commercial Components

Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 2.5Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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