



# THE DATASHEET OF DFLZ18-TP





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

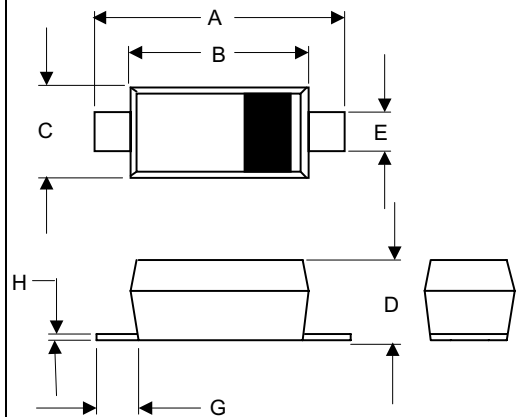
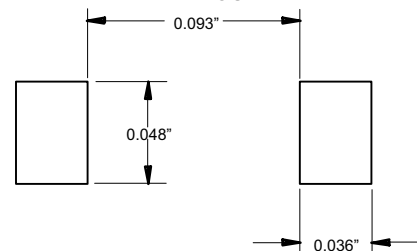


Table with 5 columns: DIM, INCHES (MIN, MAX), MM (MIN, MAX), NOTE. Lists dimensions A through H.

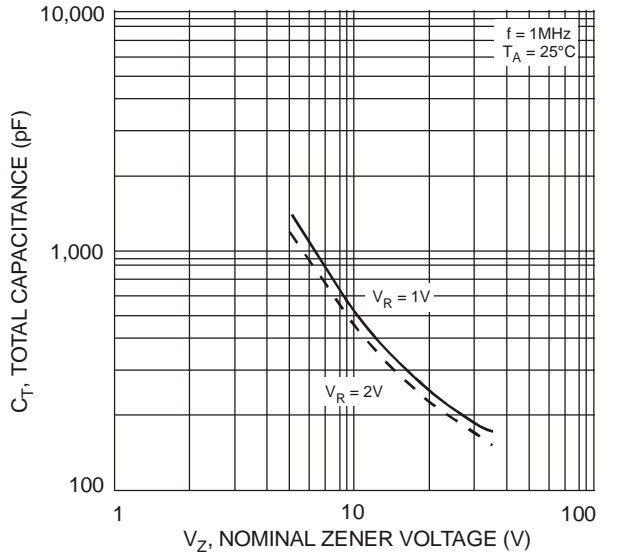
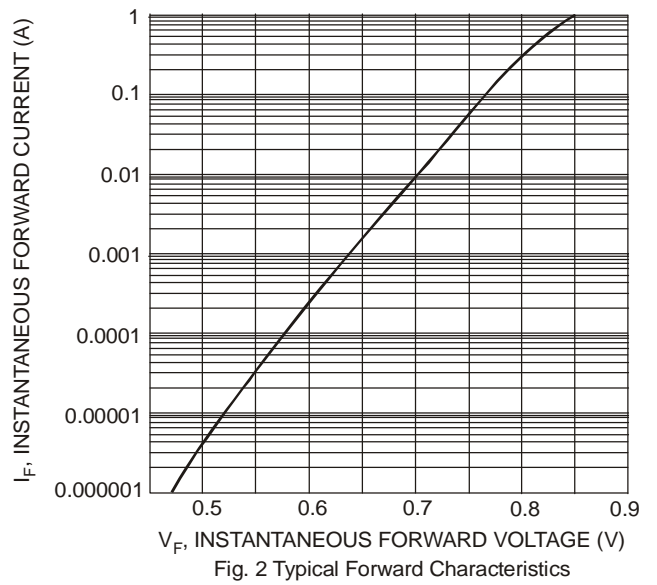
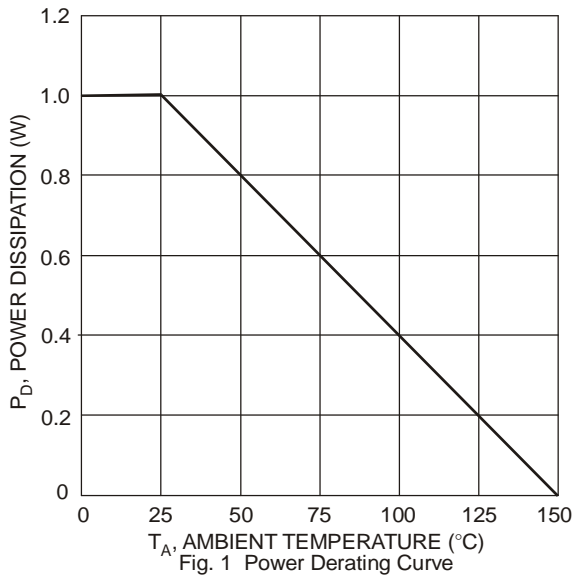
SUGGESTED SOLDER PAD LAYOUT



**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 ( $\Omega$ )	Max ( $\Omega$ )	$I_R(\mu\text{A})$	$V_R(\text{V})$	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.





TM

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### 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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