



Micro Commercial Components



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1EZ5.6D5
THRU
1EZ39D5

Features

- Halogen free available upon request by adding suffix "-HF"
Excellent clamping capability
Vz-tolerance +/-5%
Low profile package
Glass passivated junction
Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)

1.0 W Silicon
Zener Diodes
5.6 to 39 Volts

Mechanical Data

- Marking : Cathode Band and type number.
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1

Maximum Ratings

Table with 4 columns: Parameter, Symbol, Value, Units. Rows include Peak Pulse Power Dissipation, Junction Temperature, and Storage Temperature Range.

Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, Unit. Row includes Maximum Forward Voltage @ IF=200mA.

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

DO-41

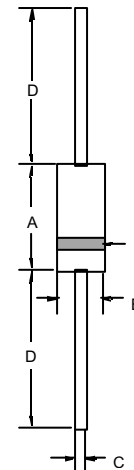


Table titled DIMENSIONS with columns for DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Rows A, B, C, and D correspond to the dimensions in the diagram.

1EZ5.6D5 thru 1EZ39D5

MCC PART NUMBER	ZENER VOLTAGE @TEST CURRENT ^(1,2)		MAXIMUM ZENER IMPEDANCE ⁽³⁾			LEAKAGE CURRENT		I _{ZM} ⁽²⁾ mA
	V _Z	I _{ZT}	Z _{ZT}	Z _{ZK}	I _{ZK}	I _R	V _R	
	V	mA	Ohms	Ohms	mA	uA	V	
1EZ5.6D5	5.6	44.6	5.0	600	1	10	2.0	162
1EZ6.2D5	6.2	40.3	2.0	700	1	10	3.0	146
1EZ6.8D5	6.8	36.8	3.5	700	1	10	4.0	133
1EZ7.5D5	7.5	33.3	4.0	700	0.5	10	5.0	121
1EZ8.2D5	8.2	30.5	4.5	700	0.5	10	6.0	110
1EZ9.1D5	9.1	27.5	5.0	700	0.5	10	7.0	100
1EZ10D5	10	25	7.0	700	0.25	10	7.6	91
1EZ11D5	11	22.7	8.0	700	0.25	5	8.4	83
1EZ12D5	12	20.8	9.0	700	0.25	5	9.1	76
1EZ13D5	13	19.2	10	700	0.25	5	9.9	69
1EZ14D5	14	17.9	12	700	0.25	5	10.6	65
1EZ15D5	15	16.7	14	700	0.25	5	11.4	61
1EZ16D5	16	15.6	16	700	0.25	5	12.2	57
1EZ17D5	17	14.7	18	750	0.25	5	13.0	53
1EZ18D5	18	13.9	20	750	0.25	5	13.7	50
1EZ19D5	19	13.2	21	750	0.25	5	14.4	47
1EZ20D5	20	12.5	22	750	0.25	5	15.2	45
1EZ22D5	22	11.4	23	750	0.25	5	16.7	41
1EZ24D5	24	10.4	25	750	0.25	5	18.2	38
1EZ27D5	27	9.3	35	750	0.25	5	20.6	34
1EZ30D5	30	8.3	40	1000	0.25	5	22.5	30
1EZ33D5	33	7.6	45	1000	0.25	5	25.1	27
1EZ36D5	36	6.9	50	1000	0.25	5	27.4	25
1EZ39D5	39	6.4	60	1000	0.25	5	29.7	23

1) Based on DC-measurement at thermal equilibrium while maintaining the lead temperature(T_L) at 25C
9.5mm (3/8") from the diode body.

2) Maximum rated zener current I_{ZM} measured at ambient temperature, T_A=100C



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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 5Kpcs/Reel
Part Number-AP	Ammo Packing: 5Kpcs/Ammo Box
Part Number-BP	Bulk: 50Kpcs/Carton

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

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