



Micro Commercial Components



Micro Commercial Components
20736 Marilla Street Chatsworth
CA 91311
Phone: (818) 701-4933
Fax: (818) 701-4939

1EZ5.6D5-TPX01 THRU 1EZ39D5-TPX01

Features

- Excellent clamping capability
- V_Z -tolerance $\pm 5\%$
- Low profile package
- Glass passivated junction
- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)

Mechanical Data

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

Maximum Ratings

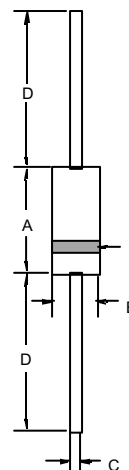
	Symbol	Value	Units
Peak Pulse Power Dissipation on $T_A=75^\circ\text{C}^{(1)}$	P_D	1.0	W
Junction Temperature	T_J	150	$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-55 to 150	$^\circ\text{C}$

Electrical Characteristics @ 25°C Unless Otherwise Specified

	Symbol	Value	Unit
Maximum Forward Voltage @ $I_F=200\text{mA}$	V_F	1.2	V

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

DO-41



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.160	0.205	4.10	5.20	
B	0.080	0.107	2.00	2.70	Diameter
C	0.028	0.034	0.71	0.86	Diameter
D	1.000	-----	25.40	-----	

1EZ5.6D5-TPX01 thru 1EZ39D5-TPX01

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-TPX01	5.6	44.6	5.0	600	1	10	2.0	162
1EZ6.2D5-TPX01	6.2	40.3	2.0	700	1	10	3.0	146
1EZ6.8D5-TPX01	6.8	36.8	3.5	700	1	10	4.0	133
1EZ7.5D5-TPX01	7.5	33.3	4.0	700	0.5	10	5.0	121
1EZ8.2D5-TPX01	8.2	30.5	4.5	700	0.5	10	6.0	110
1EZ9.1D5-TPX01	9.1	27.5	5.0	700	0.5	10	7.0	100
1EZ10D5-TPX01	10	25	7.0	700	0.25	10	7.6	91
1EZ11D5-TPX01	11	22.7	8.0	700	0.25	5	8.4	83
1EZ12D5-TPX01	12	20.8	9.0	700	0.25	5	9.1	76
1EZ13D5-TPX01	13	19.2	10	700	0.25	5	9.9	69
1EZ14D5-TPX01	14	17.9	12	700	0.25	5	10.6	65
1EZ15D5-TPX01	15	16.7	14	700	0.25	5	11.4	61
1EZ16D5-TPX01	16	15.6	16	700	0.25	5	12.2	57
1EZ17D5-TPX01	17	14.7	18	750	0.25	5	13.0	53
1EZ18D5-TPX01	18	13.9	20	750	0.25	5	13.7	50
1EZ19D5-TPX01	19	13.2	21	750	0.25	5	14.4	47
1EZ20D5-TPX01	20	12.5	22	750	0.25	5	15.2	45
1EZ22D5-TPX01	22	11.4	23	750	0.25	5	16.7	41
1EZ24D5-TPX01	24	10.4	25	750	0.25	5	18.2	38
1EZ27D5-TPX01	27	9.3	35	750	0.25	5	20.6	34
1EZ30D5-TPX01	30	8.3	40	1000	0.25	5	22.5	30
1EZ33D5-TPX01	33	7.6	45	1000	0.25	5	25.1	27
1EZ36D5-TPX01	36	6.9	50	1000	0.25	5	27.4	25
1EZ39D5-TPX01	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, $T_A=100C$

Ordering Information :

Device	Packing
1EZ5.6D5-TPX01~1EZ39D5-TPX01	Tape&Reel: 5Kpcs/Reel

IMPORTANT NOTICE

Micro Commercial Components Corp. reserves the right to make changes without further notice to any product herein to make corrections, modifications , enhancements , improvements , or other changes . **Micro Commercial Components Corp .** does not assume any liability arising out of the application or use of any product described herein; neither does it convey any license under its patent rights ,nor the rights of others . The user of products in such applications shall assume all risks of such use and will agree to hold **Micro Commercial Components Corp .** and all the companies whose products are represented on our website, harmless against all damages.

LIFE SUPPORT

MCC's products are not authorized for use as critical components in life support devices or systems without the express written approval of Micro Commercial Components Corporation.

CUSTOMER AWARENESS

Counterfeiting of semiconductor parts is a growing problem in the industry. Micro Commercial Components (MCC) is taking strong measures to protect ourselves and our customers from the proliferation of counterfeit parts. MCC strongly encourages customers to purchase MCC parts either directly from MCC or from Authorized MCC Distributors who are listed by country on our web page cited below. Products customers buy either from MCC directly or from Authorized MCC Distributors are genuine parts, have full traceability, meet MCC's quality standards for handling and storage. **MCC will not provide any warranty coverage or other assistance for parts bought from Unauthorized Sources.** MCC is committed to combat this global problem and encourage our customers to do their part in stopping this practice by buying direct or from authorized distributors.