



**FRONTIER
ELECTRONICS CO., LTD.**

**Z10-100
THRU
Z10-330**

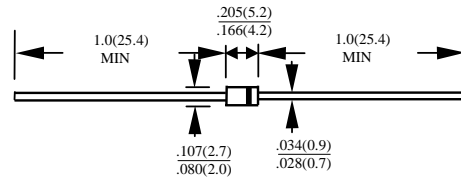
1WATT ZENER DIODE

FEATURES

- PLASTIC PACKAGE HAS UNDERWRITERS LABORATORY FLAMMABILITY CLASSIFICATION 94V-0
- LOW ZENER IMPEDANCE
- EXCELLENT CLAMPING CAPABILITY

MECHANICAL DATA

- CASE : MOLDED PLASTIC
- TERMINALS : AXIAL LEADS,SOLDERABLE PER MIL-STD-202, METHOD 208
- POLARITY : COLOR BAND DENOTES CATHODE
- WEIGHT : 0.34 GRAM
- MOUNTING POSITION : ANY



CASE : DO41
DIMENSIONS IN INCHES AND (MILLIMETERS)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS
RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED
STORAGE AND OPERATING TEMPERATURE RANGE -55 TO + 150°C

ELECTRICAL CHARACTERISTICS (TA=25°C UNLESS OTHERWISE NOTED) VF=1.2V MAX, IF = 200mA FOR ALL TYPES								
TYPE	ZENER BREAKDOWN VOLTAGE	DYNAMIC IMPEDANCES @ 25°C TA				MAXIMUM REVERSE CURRENT @ MEASUREMENT VOLTAGE AND 25°C TA		MAXIMUM FORWARD VOLTAGE @25°C TA @IF=1.0A
	Vz	IzT	ZzT	IzK	ZzK	Vr	Ir	Vf
	V	mA	ohms	mA	ohms	V	µA	V
Z10-100	100	5	750	0.25	5000	75	0.5	1.0
Z10-110	110	5	750	0.25	5000	80	0.5	1.0
Z10-115	115	5	750	0.25	5000	85	0.5	1.0
Z10-120	120	5	850	0.25	5000	90	0.5	1.0
Z10-130	130	5	1000	0.25	5000	95	0.5	1.0
Z10-140	140	5	1200	0.25	5000	105	0.5	1.0
Z10-150	150	5	1300	0.25	5000	110	0.5	1.0
Z10-160	160	5	1500	0.25	5000	120	0.5	1.0
Z10-170	170	5	2200	0.25	5000	130	0.5	1.0
Z10-180	180	5	2200	0.25	5000	140	0.5	1.0
Z10-190	190	5	2500	0.25	5000	150	0.5	1.0
Z10-200	200	5	2500	0.25	8000	165	0.5	1.0
Z10-210	210	5	5000	0.25	9000	165	0.5	1.0
Z10-220	220	5	5000	0.25	9000	170	0.5	1.0
Z10-230	230	5	5000	0.25	9000	175	0.5	1.0
Z10-240	240	5	5000	0.25	9000	180	0.5	1.0
Z10-250	250	5	5000	0.25	9000	190	0.5	1.0
Z10-260	260	5	5000	0.25	9000	195	0.5	1.0
Z10-270	270	5	5000	0.25	9000	200	0.5	1.0
Z10-280	280	5	5000	0.25	9000	210	0.5	1.0
Z10-290	290	5	5000	0.25	9000	215	0.5	1.0
Z10-300	300	5	5000	0.25	9000	220	0.5	1.0
Z10-310	310	5	5000	0.25	9500	225	0.5	1.0
Z10-320	320	5	5000	0.25	9500	233	0.5	1.0
Z10-330	330	5	5000	0.25	9500	240	0.5	1.0

NOTE : STANDARD±20%, SUFFIX "A" ±10%,SUFFIX "B" ±5% ,SUFFIX "T" ±10V

RATING AND CHARACTERISTIC CURVES Z10-100 THRU Z10-330

FIG. 1 - MAXIMUM CONTINUOUS POWER DISSIPATION

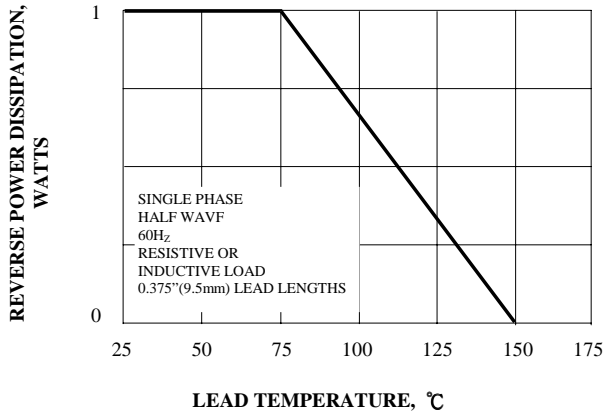


FIG. 2 - ZENER VOLTAGE VERSUS ZENER CURRENT

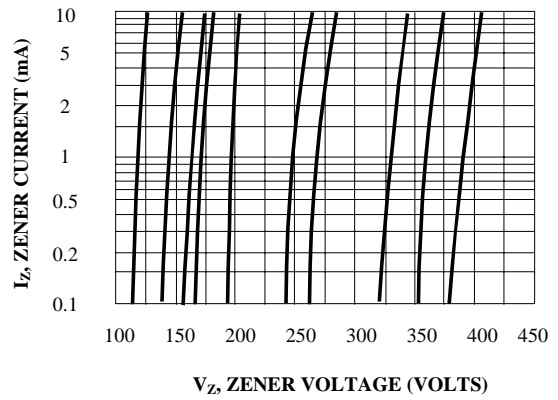


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

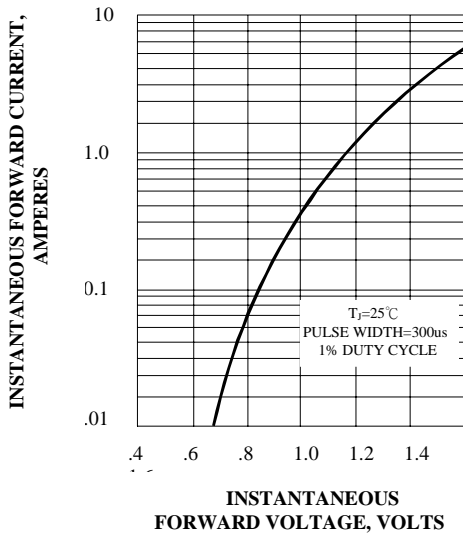


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

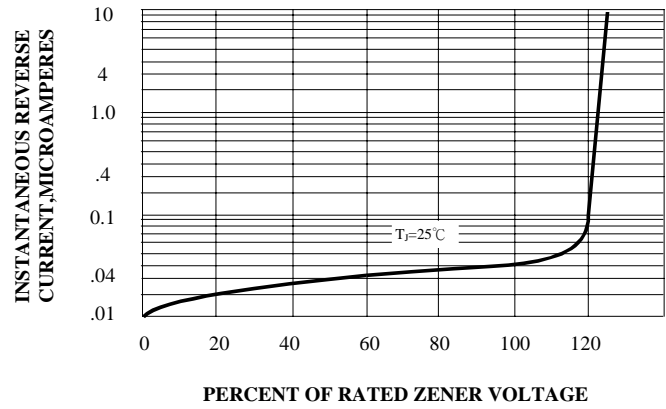


FIG. 5 - TYPICAL TEMPERATURE COEFFICIENTS

