



Frontier Electronics Corp.

667 E. COCHRAN STREET, SIMI VALLEY, CA 93065

TEL: (805) 522-9998 FAX: (805) 522-9989

E-mail: frontiersales@frontierusa.com

Web: <http://www.frontierusa.com>

1 WATT ZENER DIODE

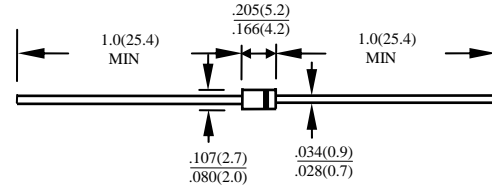
ZTL50-X THRU ZTL390

FEATURES

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

MECHANICAL DATA

- CASE: MOLDED PLASTIC, DO41, DIMENSIONS IN INCHES AND (MILLIMETERS)
- TERMINALS: AXIAL LEADS, SOLDERABLE PER MIL-STD-202, METHOD 208
- POLARITY: COLOR BAND DENOTES CATHODE
- WEIGHT: 0.34 GRAM
- MOUNTING POSITION: ANY



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED. STORAGE AND OPERATING TEMPERATURE RANGE -55°C 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=0.2A
	Vz @IZT			ZzT	IzT	IR	VR	VF
	MIN.	TYP.	MAX.	Ohms	mA	µA	V	V
ZTL50-X	40	45	50	5000	0.025	10	36	1.2
ZTL50-Y	45	50	55	5000	0.025	10	40	1.2
ZTL50-Z	50	55	60	5000	0.025	10	45	1.2
ZTL200-X	180	190	200	5000	0.5	10	152	1.2
ZTL200-Y	190	200	210	5000	0.5	10	160	1.2
ZTL200-Z	200	210	220	5000	0.5	10	168	1.2
ZTL220-Y	210	220	230	5000	0.5	10	176	1.2
ZTL220-Z	220	230	240	5000	0.5	10	184	1.2
ZTL240-Y	230	240	250	5000	0.5	10	216	1.2
ZTL240-Z	240	250	260	5000	0.5	10	225	1.2
ZTL270-X	250	260	270	5000	0.5	10	234	1.2
ZTL270-Y	260	270	280	5000	0.5	10	243	1.2
ZTL270-Z	270	280	290	5000	0.5	10	252	1.2
ZTL300-X	280	290	300	5000	0.5	10	261	1.2
ZTL300-Y	290	300	310	5000	0.5	10	270	1.2
ZTL300-Z	300	310	320	5000	0.5	10	279	1.2
ZTL330-X	310	320	330	5000	0.5	10	288	1.2
ZTL330-Y	320	330	340	5000	0.5	10	297	1.2
ZTL330-Z	330	340	350	5000	0.5	10	306	1.2
ZTL390	351	390	429	10000	0.5	10	312	1.2

RATING AND CHARACTERISTIC CURVES ZTL50-X~ZTL390

FIG. 1 - MAXIMUM CONTINUOUS POWER DISSIPATION

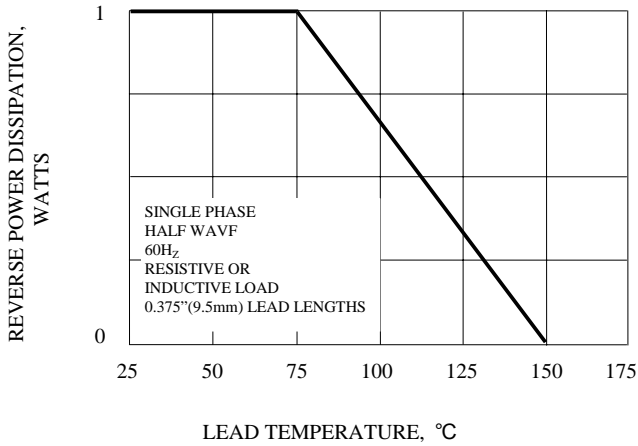


FIG. 2 - ZENER VOLTAGE VERSUS ZENER CURRENT

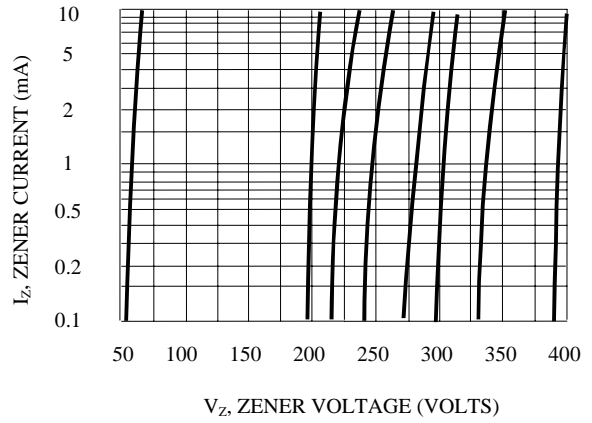


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

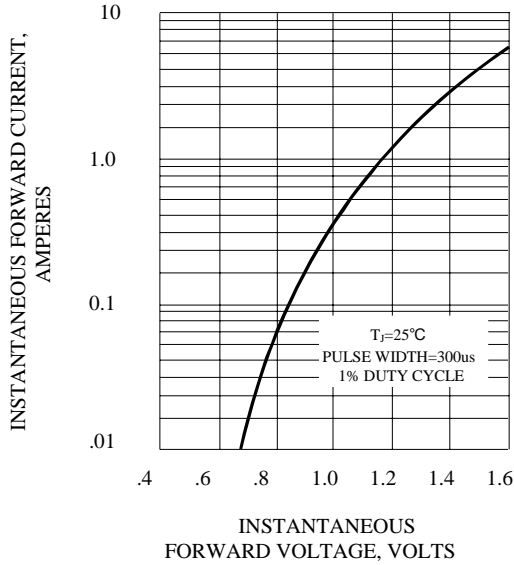


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

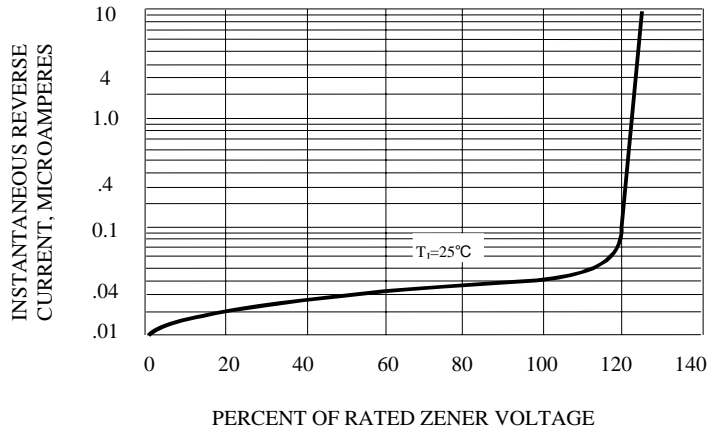


FIG. 5 - TYPICAL TEMPERATURE COEFFICIENTS

