

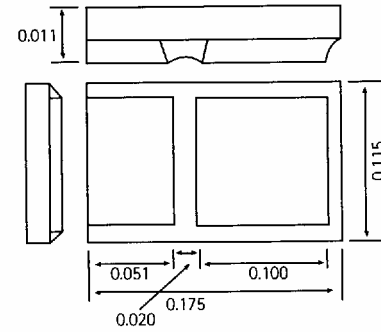
ZF10 Series

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10.0 WATT UNI-DIRECTIONAL SURFACE MOUNT ZENER FLIP CHIP

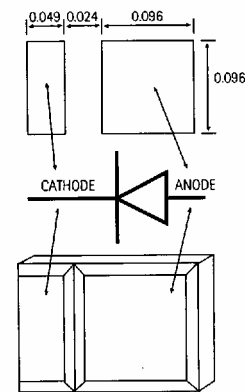
Dimensions

Inches

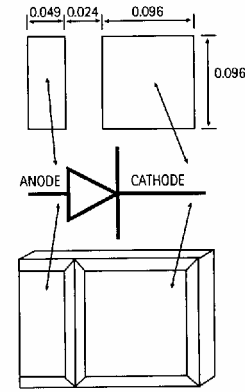


Polarity

VBR 10V and above



VBR 9.1V and below



Features:

- Fully Glass Passivated
- 10 Watt
- 6.8 to 400 Volts
- Eliminates Wire Bonding
- Solderable up to 425 Degrees Centigrade/2 Mins
- Flip - Chip

Device	VD Volts	Zener Voltage VZ @ IT			IT	Maximum Reverse Leakage
		VOLTS	Min	Nom		
ZF10-6.8-1-10	5.5	6.12	6.8	7.48	10.0	1000.0
ZF10-6.8-1-5	5.8	6.45	6.8	7.14	10.0	1000.0
ZF10-7.5-1-10	6.05	6.75	7.5	8.25	10.0	500.0
ZF10-7.5-1-5	6.4	7.13	7.5	7.88	10.0	500.0
ZF10-8.2-1-10	6.63	7.38	8.2	9.02	10.0	200.0
ZF10-8.2-1-5	7.02	7.79	8.2	8.61	10.0	200.0
ZF10-9.1-1-5	7.37	8.19	9.1	10	1.0	50.0
ZF10-9.1-1-5	7.78	8.65	9.1	9.55	1.0	50.0
ZF10-10-1-10	8.1	9	10	11	1.0	10.0
ZF10-10-1-5	8.55	9.5	10	10.5	1.0	10.0
ZF10-11-1-10	8.92	9.9	11	12.1	1.0	5.0
ZF10-11-1-5	9.4	10.5	11	11.6	1.0	5.0
ZF10-12-1-10	9.72	10.8	12	13.2	1.0	5.0
ZF10-12-1-5	10.2	11.4	12	12.6	1.0	5.0
ZF10-13-1-10	10.5	11.7	13	14.3	1.0	5.0
ZF10-13-1-5	11.1	12.4	13	13.7	1.0	5.0
ZF10-15-1-10	12.1	13.5	15	16.5	1.0	5.0
ZF10-15-1-5	12.8	14.3	15	15.8	1.0	5.0
ZF10-16-1-10	12.9	14.4	16	17.6	1.0	5.0
ZF10-16-1-5	13.6	15.2	16	16.8	1.0	5.0
ZF10-18-1-10	14.5	16.2	18	19.8	1.0	5.0
ZF10-18-1-5	15.3	17.1	18	18.9	1.0	5.0
ZF10-20-1-10	16.2	18	20	22	1.0	5.0
ZF10-20-1-5	17.1	19	20	21	1.0	5.0
ZF10-22-1-10	17.8	19.8	22	24.2	1.0	5.0
ZF10-22-1-5	18.8	20.9	22	23.1	1.0	5.0
ZF10-24-1-10	19.4	21.6	24	26.4	1.0	5.0
ZF10-24-1-5	20.5	22.8	24	25.2	1.0	5.0
ZF10-27-1-10	21.8	24.3	27	29.7	1.0	5.0
ZF10-27-1-5	23.1	25.7	27	28.4	1.0	5.0
ZF10-30-1-10	24.3	27	30	33	1.0	5.0
ZF10-30-1-5	25.6	28.5	30	31.5	1.0	5.0
ZF10-33-1-10	26.8	29.7	33	36.3	1.0	5.0
ZF10-33-1-5	28.2	31.4	33	34.7	1.0	5.0
ZF10-36-1-10	29.1	32.4	36	39.6	1.0	5.0
ZF10-36-1-5	30.8	34.2	36	37.8	1.0	5.0
ZF10-39-1-10	31.6	35.1	39	42.9	1.0	5.0
ZF10-39-1-5	33.3	37.1	39	41	1.0	5.0
ZF10-43-1-10	34.8	38.7	43	47.3	1.0	5.0
ZF10-43-1-5	36.8	40.9	43	45.2	1.0	5.0
ZF10-47-1-10	38.1	42.3	47	51.7	1.0	5.0
ZF10-47-1-5	40.2	44.7	47	49.4	1.0	5.0
ZF10-51-1-10	41.3	45.9	51	56.1	1.0	5.0
ZF10-51-1-5	43.6	48.5	51	53.6	1.0	5.0

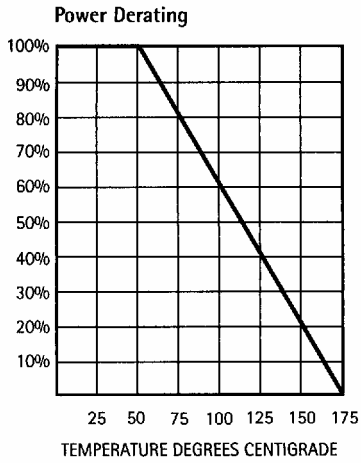
ZF10 Series

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Device	VD Volts		Zener Voltage VZ @ IT			IT mA	Maximum Reverse Leakage uA
	VOLTS	Min	Nom	Max	uA		
ZF10-56-1-10	45.4	50.4	56	61.6	1.0	5.0	
ZF10-56-1-5	47.8	53.2	56	58.8	1.0	5.0	
ZF10-62-1-10	50.2	55.8	62	68.2	1.0	5.0	
ZF10-62-1-5	53	58.9	62	65.1	1.0	5.0	
ZF10-68-1-10	55.1	61.2	68	74.8	1.0	5.0	
ZF10-68-1-5	58.1	64.6	68	71.4	1.0	5.0	
ZF10-75-1-5	60.7	67.5	75	82.5	1.0	5.0	
ZF10-75-1-5	64.1	71.3	75	78.8	1.0	5.0	
ZF10-82-1-10	66.4	73.8	82	90.2	1.0	5.0	
ZF10-82-1-5	70.1	77.9	82	86.1	1.0	5.0	
ZF10-91-1-10	73.7	81.9	91	100	1.0	5.0	
ZF10-91-1-5	7.8	86.5	91	95.5	1.0	5.0	
ZF10-100-1-10	81	90	100	110	1.0	5.0	
ZF10-100-1-5	85.5	95	100	105	1.0	5.0	
ZF10-110-1-10	89.2	99	110	121	1.0	5.0	
ZF10-110-1-5	94	105	110	116	1.0	5.0	
ZF10-120-1-10	97.2	108	120	132	1.0	5.0	
ZF10-120-1-5	102	114	120	126	1.0	5.0	
ZF10-130-1-10	105	117	130	143	1.0	5.0	
ZF10-130-1-5	111	124	130	137	1.0	5.0	
ZF10-150-1-10	121	135	150	165	1.0	5.0	
ZF10-150-1-5	128	143	150	158	1.0	5.0	
ZF10-160-1-10	130	144	160	176	1.0	5.0	
ZF10-160-1-5	136	152	160	168	1.0	5.0	
ZF10-170-1-10	138	153	170	187	1.0	5.0	
ZF10-170-1-5	145	162	170	179	1.0	5.0	
ZF10-180-1-10	146	162	180	198	1.0	5.0	
ZF10-180-1-5	154	171	180	189	1.0	5.0	
ZF10-200-1-10	162	180	200	220	1.0	5.0	
ZF10-200-1-5	171	190	200	210	1.0	5.0	

ZF10 Series

ZF10 Series



Ratings

- DC Power Dissipation 10.0W
- Maximum Operating and Junction temperature range -55 Deg C to +175 Deg C

Order Code

Z F 10 - 27 - 1 - 10 - TR

↑ Zener Flip-Chip | ↑ Power rating watts | ↑ Nominal Zener Voltage 27V "27" | ↑ test current 1mA "1" see note 2 | ↑ Tolerance ± 10% "10" | ↑ Tape and Reel "TR"

- Notes:
1. Specify tape and reel or waffle pack suffix TR or WP
 2. For other test currents ie 10 mA specify ZF10 -27-10-10
 3. These devices are available in bi-directional configuration