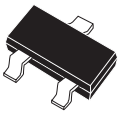
CMPZ4678
THRU
CMPZ4717

350mW LOW LEVEL ZENER DIODE
5% TOLERANCE



SOT-23 Case

Central™
Semiconductor Corp.

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMPZ4678 Series Silicon Zener Diode is a high quality voltage regulator designed for applications requiring an extremely low operating current and low leakage.

ELECTRICAL CHARACTERISTICS
(T_A=25°C) V_F=1.5V MAX @ I_F=100mA FOR ALL TYPES.

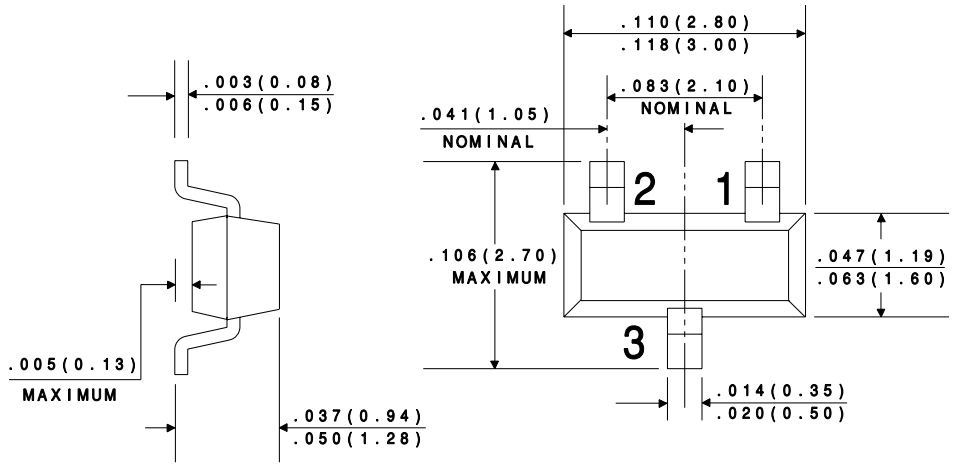
Type No.	Nominal Zener Voltage V_Z @ I_{ZT}	Test Current I_{ZT}	MAXIMUM REVERSE LEAKAGE CURRENT I_R @ V_R		Maximum Voltage Change** ΔV_Z	Maximum Zener Current I_{ZM}
	Volts	µA	µA	Volts	Volts	mA
CMPZ4678*	1.8	50	7.5	1.0	0.70	120.0
CMPZ4679*	2.0	50	5.0	1.0	0.70	110.0
CMPZ4680*	2.2	50	4.0	1.0	0.75	100.0
CMPZ4681*	2.4	50	2.0	1.0	0.80	95.0
CMPZ4682*	2.7	50	1.0	1.0	0.85	90.0
CMPZ4683*	3.0	50	0.8	1.0	0.90	85.0
CMPZ4684*	3.3	50	7.5	1.5	0.95	80.0
CMPZ4685*	3.6	50	7.5	2.0	0.95	75.0
CMPZ4686*	3.9	50	5.0	2.0	0.97	70.0
CMPZ4687*	4.3	50	4.0	2.0	0.99	65.0
CMPZ4688*	4.7	50	10	3.0	0.99	60.0
CMPZ4689*	5.1	50	10	3.0	0.97	55.0
CMPZ4690*	5.6	50	10	4.0	0.96	50.0
CMPZ4691*	6.2	50	10	5.0	0.95	45.0
CMPZ4692*	6.8	50	10	5.1	0.90	35.0
CMPZ4693*	7.5	50	10	5.7	0.75	31.8
CMPZ4694*	8.2	50	1.0	6.2	0.50	29.0
CMPZ4695*	8.7	50	1.0	6.6	0.10	27.4
CMPZ4696*	9.1	50	1.0	6.9	0.08	26.2
CMPZ4697*	10	50	1.0	7.6	0.10	24.8
CMPZ4698*	11	50	0.05	8.4	0.11	21.6
CMPZ4699*	12	50	0.05	9.1	0.12	20.4

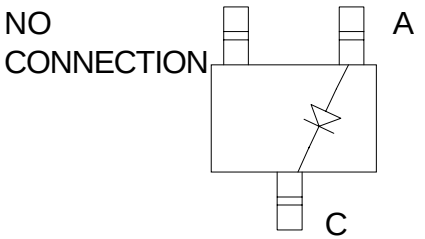
* Available on special order only, please consult factory.
** ΔV_Z=V_Z@100µA MINUS V_Z @ 10µA.

Type No.	Nominal Zener Voltage V_Z @ I_{ZT}	Test Current I_{ZT}	MAXIMUM REVERSE LEAKAGE CURRENT I_R @ V_R		Maximum Voltage Change** ΔV_Z	Maximum Zener Current I_{ZM}
	Volts	µA	µA	Volts	Volts	mA
CMPZ4700*	13	50	0.05	9.8	0.13	19.0
CMPZ4701*	14	50	0.05	10.6	0.14	17.5
CMPZ4702*	15	50	0.05	11.4	0.15	16.3
CMPZ4703*	16	50	0.05	12.1	0.16	15.4
CMPZ4704*	17	50	0.05	12.9	0.17	14.5
CMPZ4705*	18	50	0.05	13.6	0.18	13.2
CMPZ4706*	19	50	0.05	14.4	0.19	12.5
CMPZ4707*	20	50	0.01	15.2	0.20	11.9
CMPZ4708*	22	50	0.01	16.7	0.22	10.8
CMPZ4709*	24	50	0.01	18.2	0.24	9.9
CMPZ4710*	25	50	0.01	19.0	0.25	9.5
CMPZ4711*	27	50	0.01	20.4	0.27	8.8
CMPZ4712*	28	50	0.01	21.2	0.28	8.5
CMPZ4713*	30	50	0.01	22.8	0.30	7.9
CMPZ4714*	33	50	0.01	25.0	0.33	7.2
CMPZ4715*	36	50	0.01	27.3	0.36	6.6
CMPZ4716*	39	50	0.01	29.6	0.39	6.1
CMPZ4717*	43	50	0.01	32.6	0.43	5.5

* Available on special order only, please consult factory.
** ΔV_Z=V_Z@100µA MINUS V_Z @ 10µA.

All dimensions in inches (mm).





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