

# MMSZ4XXX

Rev.H Jul.-2018

SOD-123

Zener Diode in a SOD-123 Plastic Package.

500mW SOD-123

Design for 500mW SOD-123 surface mount. HF Product.

1.8V-43V

500mW

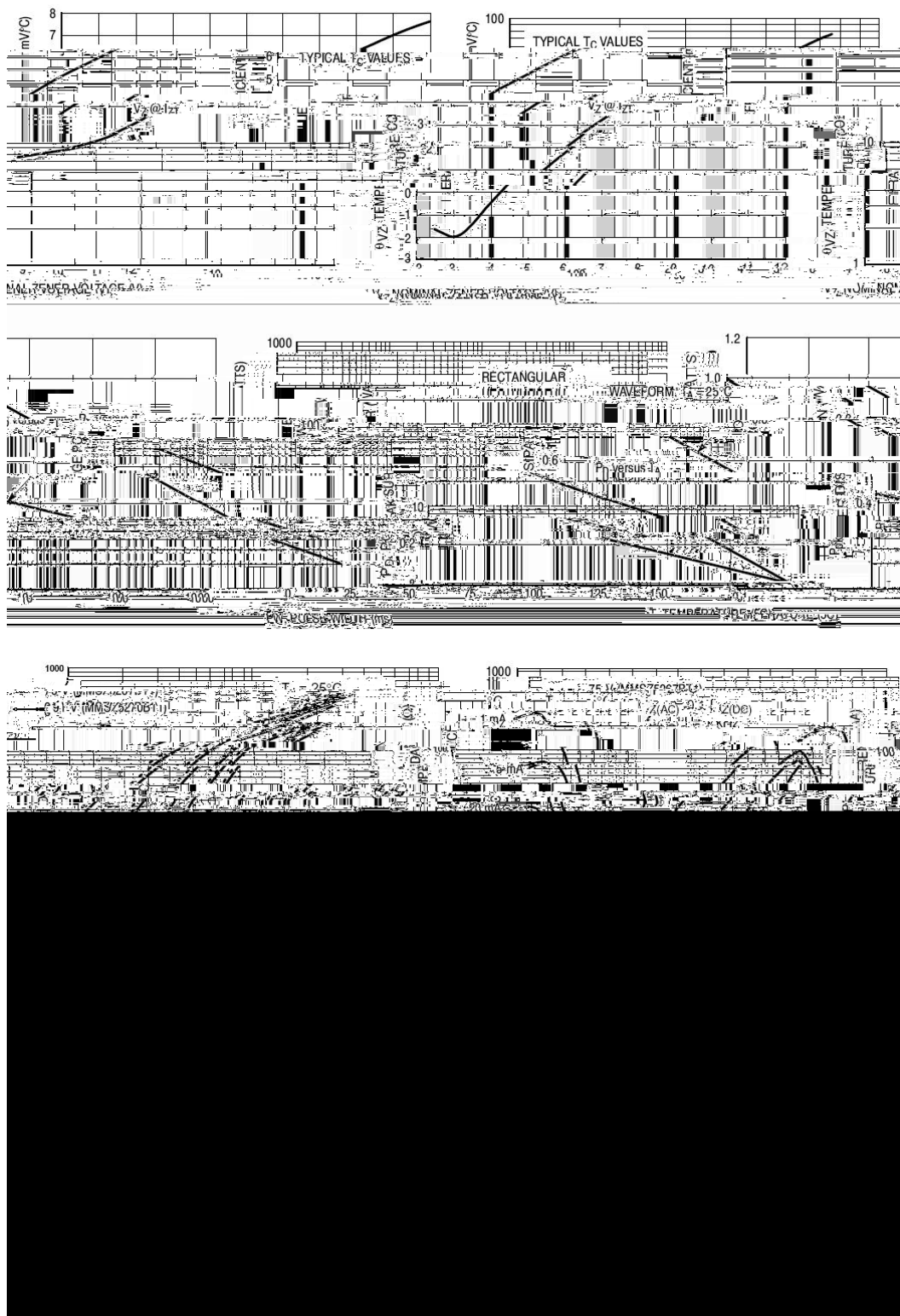
Wide zener reverse voltage range 1.8V-43V, Maximum  $P_D$

| Parameter                                      | Symbol          | Rating | Unit |
|------------------------------------------------|-----------------|--------|------|
| Power Dissipation                              | $P_D$           | 500    | mW   |
| Typical Thermal Resistance Junction to Ambient | $R_{\theta JA}$ | 340    | /W   |
| Typical Thermal Resistance Junction to Lead    | $R_{\theta JL}$ | 150    | /W   |
| Junction and Storage Temperature Range         | $T_j, T_{stg}$  | -55    |      |

**/ Electrical Characteristics(Ta=25 )**

| Device   | Device Marking | Zoner Voltage          |     |       |                 | Leakage Current                |       |
|----------|----------------|------------------------|-----|-------|-----------------|--------------------------------|-------|
|          |                | V <sub>Z</sub> (Volts) |     |       | I <sub>ZT</sub> | I <sub>R</sub> @V <sub>R</sub> |       |
|          |                | Min                    | Nom | Max   |                 | uA                             | Volts |
| MMSZ4698 | HDF            | 10.45                  | 11  | 11.55 | 50              | 0.05                           | 8.4   |
| MMSZ4699 | HDH            | 11.40                  | 12  | 12.60 | 50              | 0.05                           | 9.1   |
| MMSZ4700 | HDJ            | 12.35                  | 13  | 13.65 | 50              | 0.05                           | 9.8   |
| MMSZ4701 | HDK            | 13.30                  | 14  | 14.70 | 50              | 0.05                           | 10.6  |
| MMSZ4702 | HDM            | 14.25                  | 15  | 15.75 | 50              | 0.05                           | 11.4  |
| MMSZ4703 | HDN            | 15.20                  | 16  | 16.80 | 50              | 0.05                           | 12.1  |
| MMSZ4704 | HDP            | 16.15                  | 17  | 17.85 | 50              | 0.05                           | 12.9  |
| MMSZ4705 | HDT            | 17.10                  | 18  | 18.90 | 50              | 0.05                           | 13.6  |
| MMSZ4706 | HDU            | 18.05                  | 19  | 19.95 | 50              | 0.05                           | 14.4  |
| MMSZ4707 | HDV            | 19.00                  | 20  | 21.00 | 50              | 0.01                           | 15.2  |
| MMSZ4708 | HDA            | 20.90                  | 22  | 23.10 | 50              | 0.01                           | 16.7  |
| MMSZ4709 | HDX            | 22.80                  | 24  | 25.20 | 50              | 0.01                           | 18.2  |
| MMSZ4710 | HDY            | 23.75                  | 25  | 26.25 | 50              | 0.01                           | 19.0  |
| MMSZ4711 | HEA            | 25.65                  | 27  | 28.35 | 50              | 0.01                           | 20.4  |
| MMSZ4712 | HEC            | 26.60                  | 28  | 29.40 | 50              | 0.01                           | 21.2  |
| MMSZ4713 | HED            | 28.50                  | 30  | 31.50 | 50              | 0.01                           | 22.8  |
| MMSZ4714 | HEE            | 31.35                  | 33  | 34.65 | 50              | 0.01                           | 25.0  |
| MMSZ4715 | HEF            | 34.20                  | 36  | 37.80 | 50              | 0.01                           | 27.3  |
| MMSZ4716 | HEH            | 37.05                  | 39  | 40.95 | 50              | 0.01                           | 29.6  |
| MMSZ4717 | HEJ            | 40.87                  | 43  | 45.15 | 50              | 0.01                           | 32.6  |

/ Electrical Characteristic Curve





/ Marking Instructions



H

CC

Note:

H: Company Code.

CC: Product Type.

