

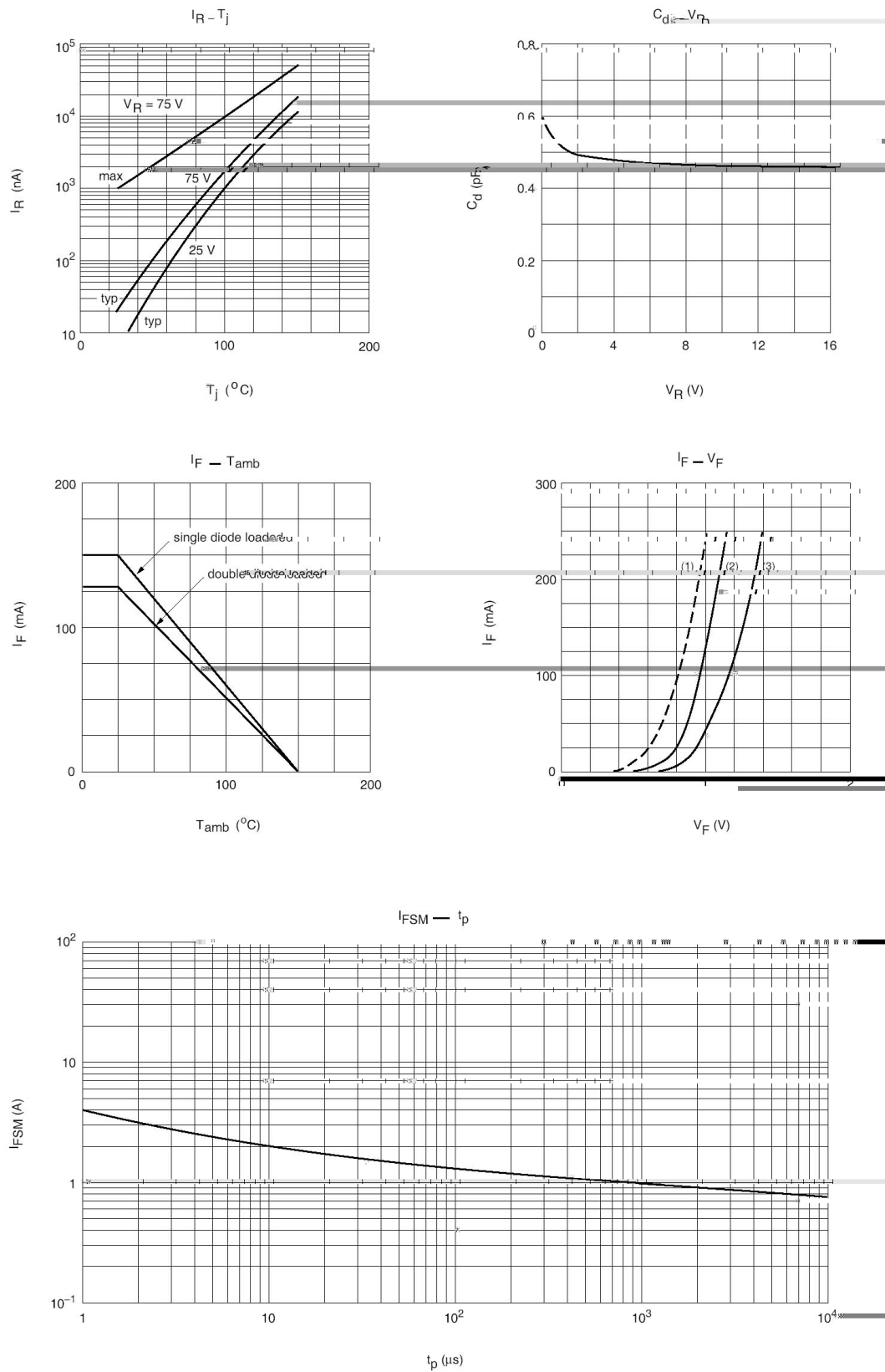
**BAV56W**

| Parameter                           | Symbol                       | Rating  | Unit |
|-------------------------------------|------------------------------|---------|------|
| Repetitive Reverse Voltage          | $V_{RRM}$                    | 85      | V    |
| Continuous reverse voltage          | $V_R$                        | 75      | V    |
| Continuous forward current          | $I_{F(1)}$                   | 215     | mA   |
|                                     | $I_{F(2)}$                   | 125     | mA   |
| Repetitive peak forward current     | $I_{FRM}$                    | 450     | mA   |
| Non-repetitive Peak Forward Current | $I_{FSM(1)}(t=1\text{ S})$   | 0.5     | A    |
|                                     | $I_{FSM(2)}(t=1\text{ mS})$  | 1.0     | A    |
|                                     | $I_{FSM(3)}(t=1\mu\text{S})$ | 4.0     | A    |
| Total power dissipation             | $P_{tot}$                    | 200     | mW   |
| Junction Temperature                | $T_j$                        | 150     |      |
| Storage Temperature Range           | $T_{stg}$                    | -55 150 |      |

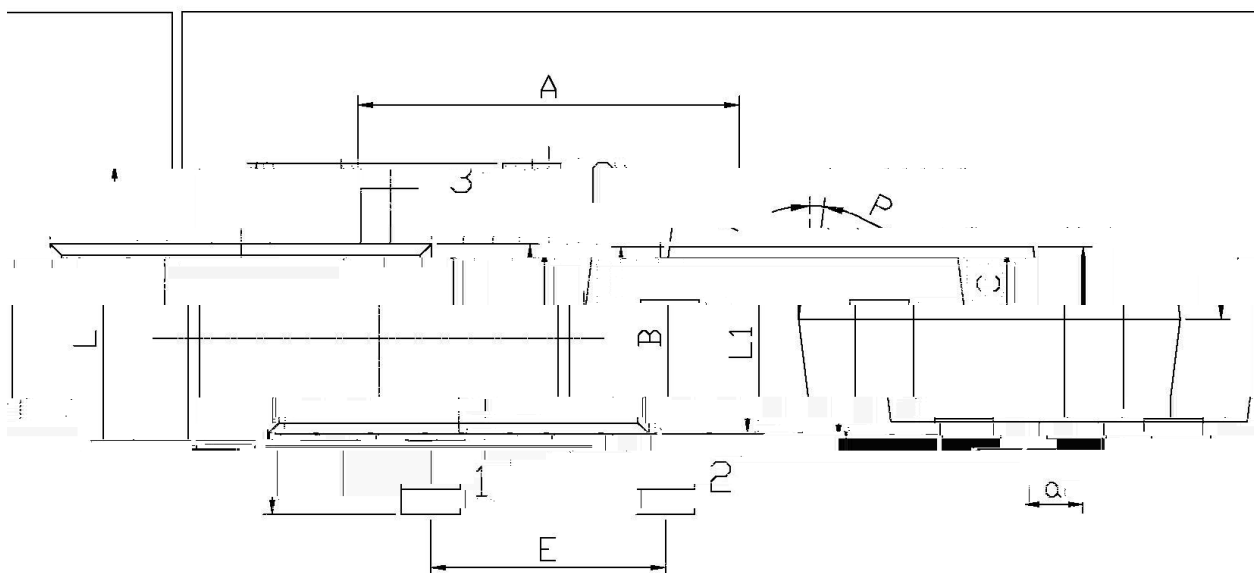
| Parameter       | Symbol | Test Conditions    | Min | Typ | Max  | Unit |
|-----------------|--------|--------------------|-----|-----|------|------|
| Forward Voltage | $V_F$  | $I_F=1\text{mA}$   |     |     | 715  | mV   |
|                 |        | $I_F=10\text{mA}$  |     |     | 855  | mV   |
|                 |        | $I_F=50\text{mA}$  |     |     | 1.0  | V    |
|                 |        | $I_F=150\text{mA}$ |     |     | 1.25 | V    |

Instantaneous Revers  $T_c=0.0033$   $T_D=269.7803$   $T_m=0.0007015$   $T_{m0}=269.7803$   $T_{m0R}=0$   $T_{m0nt}=225.7062$   $41403$   $T_m(t)=8.691t$

**I Electrical Characteristic Curve**

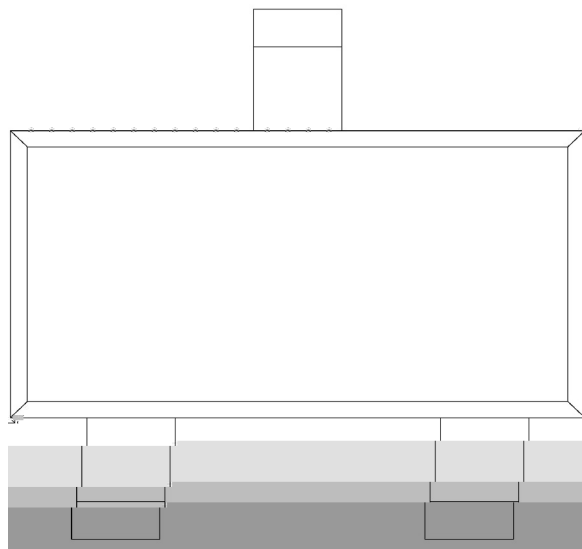


**/ Package Dimensions**



| Symbol |      | Min  | Max | Symbol |      | Min | Max  |
|--------|------|------|-----|--------|------|-----|------|
| A      | 1.95 | 2.35 | C   | 0.35   | 0.45 | D   | 0.20 |
| B      | 1.35 | 1.55 | E   | 0.20   | 0.30 | F   | 0.10 |
| L1     | 0.85 | 1.15 | G   | 0.10   | 0.15 | H   | 0.10 |
| I      | 0.20 | 0.30 | J   | 0.10   | 0.15 | K   | 0.10 |
| M      | 0.10 | 0.15 | N   | 0.10   | 0.15 | O   | 0.10 |
| P      | 0.10 | 0.15 | Q   | 0.10   | 0.15 | R   | 0.10 |
| S      | 0.10 | 0.15 | T   | 0.10   | 0.15 | U   | 0.10 |
| V      | 0.10 | 0.15 | W   | 0.10   | 0.15 | X   | 0.10 |
| Y      | 0.10 | 0.15 | Z   | 0.10   | 0.15 |     |      |

/ Marking Instructions



б " X

K X      № 3 " П

D: X      № 3 " П

Note:

**BAV56W**  
Rev.A May.-2016