

SURFACE MOUNT GLASS PASSIVATED SILICON RECTIFIER (MELF PACK)

| TYPE | PIV (Peak Inverse Voltage) | MAX AVG Rectified Current @ Half Wave Res. Load 60Hz | | MAX FWD Peak Surge Current ~60 Hz Superimposed | MAX Reverse Current @PIV Voltage @25°C T _A | MAX Forward Voltage @25 °C T _A | |
|------|-------------------------------|--|----|--|---|---|-----------------|
| | V _{PK} | I _O @ T _A | | I _{FM} (Surge) | I _R | I _{FM} | V _{FM} |
| | | A _{AV} | °C | A _{PK} | μA _{dc} | A _{PK} | V _{PK} |

1 AMPERE/SMD-10

| | | | | | | | |
|---------|------|-----|----|----|-----|-----|-----|
| ESM4001 | 50 | 1.0 | 75 | 30 | 5.0 | 1.0 | 1.1 |
| ESM4002 | 100 | 1.0 | 75 | 30 | 5.0 | 1.0 | 1.1 |
| ESM4003 | 200 | 1.0 | 75 | 30 | 5.0 | 1.0 | 1.1 |
| ESM4004 | 400 | 1.0 | 75 | 30 | 5.0 | 1.0 | 1.1 |
| ESM4005 | 600 | 1.0 | 75 | 30 | 5.0 | 1.0 | 1.1 |
| ESM4006 | 800 | 1.0 | 75 | 30 | 5.0 | 1.0 | 1.1 |
| ESM4007 | 1000 | 1.0 | 75 | 30 | 5.0 | 1.0 | 1.1 |

| TYPE | PIV (Peak Inverse Voltage) | MAX AVG rectified Current @Half Wave Res. Load 60Hz | | MAX FWD Peak Surge Current ~60 Hz Superimposed | MAX Reverse Current @PIV Voltage @25°C T _A | MAX Forward Voltage @25 °C T _A | | MAX Reverse Recovery Time |
|------|-------------------------------|---|----|--|---|---|-----------------|---------------------------|
| | V _{PK} | I _O @ T _A | | I _{FM} (Surge) | I _R | I _{FM} | V _{FM} | T _{RR} |
| | | A _{AV} | °C | A _{PK} | μA _{dc} | A _{PK} | V _{PK} | N-Sec. |

1.0 AMPERE FAST RECOVERY/SMD-10

| | | | | | | | | |
|---------|------|-----|----|----|-----|-----|-----|-----|
| ESM100R | 50 | 1.0 | 75 | 30 | 5.0 | 1.0 | 1.3 | 150 |
| ESM101R | 100 | 1.0 | 75 | 30 | 5.0 | 1.0 | 1.3 | 150 |
| ESM102R | 200 | 1.0 | 75 | 30 | 5.0 | 1.0 | 1.3 | 150 |
| ESM104R | 400 | 1.0 | 75 | 30 | 5.0 | 1.0 | 1.3 | 150 |
| ESM106R | 600 | 1.0 | 75 | 30 | 5.0 | 1.0 | 1.3 | 150 |
| ESM108R | 800 | 1.0 | 75 | 30 | 5.0 | 1.0 | 1.3 | 250 |
| ESM110R | 1000 | 1.0 | 75 | 30 | 5.0 | 1.0 | 1.3 | 500 |

