

MMST4401

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|-------------------------------|------|----|--|-------------|
| | | | | |
| E | | | | |
| Collector Current -Continuous | IC | mA | | 600 |
| Total Device Dissipation | PD | mW | | 200 |
| Junction Temperature | Tj | | | 150 |
| Storage Temperature | TSTG | | | -55 to +150 |

Ordering Information (Example)

| PREFERRED P/N | PACKING CODE | UNIT WEIGHT(g) | MINIMUM PACKAGE(pcs) | INNER BOX QUANTITY(pcs) | OUTER CARTON QUANTITY(pcs) | DELIVERY MODE |
|---------------|--------------|-------------------|----------------------|-------------------------|----------------------------|---------------|
| MMST4401 | F2 | Approximate 0.005 | 3000 | 30000 | 120000 | 7" reel |



MMST4401

RoHS
COMPLIANT

Electrical Characteristics (Ta=25 unless otherwise noted)

| Item | Symbol | Unit | Conditions | Min | Typ | Max |
|--------------------------------------|-----------------|------|---|-----|-----|------|
| Collector-base breakdown voltage | $V_{(BR)CBO}$ | V | IC=10mA,IE=0 | 60 | | |
| Collector-emitter breakdown voltage | $V_{(BR)CEO^*}$ | V | IC =1mA,IB=0 | 40 | | |
| Emitter-base breakdown voltage | $V_{(BR)EBO}$ | V | IE=100 μ A,IC=0 | 6 | | |
| Collector-emitter cut-off current | I_{CEO} | nA | VCE=35V,IB=0 | | | 100 |
| Collector-base cut-off current | I_{CBO} | nA | VCB=35V, IE =0 | | | 100 |
| Emitter-base cut-off current | I_{EBO} | nA | VEB=5 V, IC =0 | | | 100 |
| DC current gain | h_{FE} | | VCE=1V,IC=150mA | 100 | | 300 |
| | | | VCE=2V,IC=500mA | 40 | | |
| Collector-emitter saturation voltage | $V_{CE(sat)}$ | V | IC=150mA,IB=15mA | | | 0.4 |
| Base-emitter saturation voltage | $V_{BE(sat)}$ | V | IC=150mA,IB=15mA | | | 0.95 |
| Transition frequency | f_T | MHz | VCE=10V,IC=20mA,f=100MHz | 250 | | |
| Delay time | td | ns | VCC=30V, VBE(off)=0.2V IC=150 μ A,IB1=15mA | | | 15 |
| Rise time | tr | ns | | | | 20 |
| Storage time | ts | ns | VCC=30V,IC=150mA,IB1=IB2=15mA | | | 225 |
| Fall time | tf | ns | | | | 60 |
| Output Capacitance | Cob | pF | VCB=10V,IE=0 f=1MHz | | | 6.5 |



Characteristics (Typical)



Disclaimer

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (s