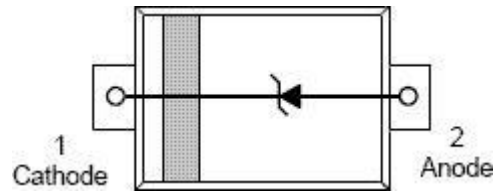


Features

- Peak Reverse Working Voltage: 5V
- Low leakage current
- High ESD protection Level: >+/-15KV per HBM
- IEC61000-4-2 Level 4 ESD Protection
- IEC61000-4-4 Level 4 EFT Protection



Applications

- Cell phone handsets and accessories
- Personal Digital Assistants (PDAs)
- Notebooks, Desktops, and Servers
- Portable Instrumentation
- Digital Cameras
- MP3/MP4/PMP Players

| Rating | Symbol | Value | Units |
|---------------------------------------------------|------------------|-------------|-------|
| Maximum peak pulse current (tp=8/20us) | I _{pp} | 9.0 | A |
| ESD Per IEC61000-4-2 (Air) | V _{pp} | +/-15 | KV |
| ESD Per IEC61000-4-2 (Contact) | | +/-10 | |
| Maximum lead temperature for soldering during 10s | T _L | 260 | °C |
| Storage temperature range | T _{stg} | -55 to +150 | °C |
| Operating temperature range | T _{op} | -55 to +150 | °C |

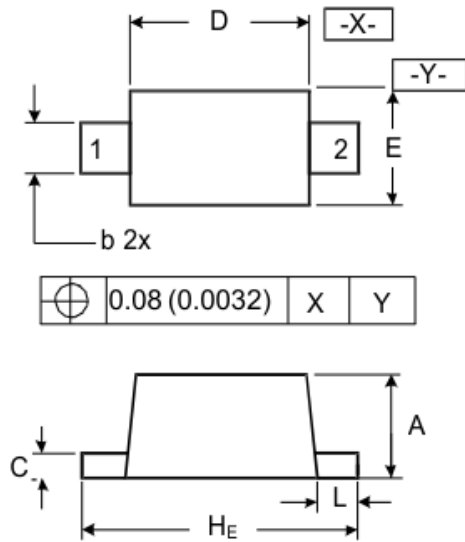
Electronics Characteristics

| P/N | V _{RWM} (V) | I _R (μA) @ V _{RWM} | V _{BR} (V) @ I _T (Note 2) | I _T | C (pF) | | V _C (V) @ I _{PP} = 1 A | V _C |
|----------|----------------------|----------------------------------------|-----------------------------------------------|----------------|--------|-----|--------------------------------------------|------------------|
| | Max | Max | Min | mA | Typ | Max | Max | Per IEC61000-4-2 |
| ESD5Z5VU | 5.0 | 1.0 | 6.2 | 1.0 | 0.5 | 0.9 | 8.0 | 10 |

2. V_{BR} is measured with a pulse test current I_T at an ambient temperature of 25°C.

Package outline dimensions

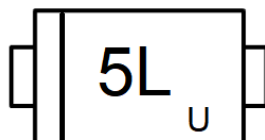
SOD-523



DIMENSIONS

| SYMBOL | MILLIMETER | | INCHES | |
|----------------|------------|------|--------|--------|
| | MIN | MAX | MIN | MAX |
| A | 0.50 | 0.70 | 0.020 | 0.028 |
| b | 0.25 | 0.35 | 0.010 | 0.014 |
| C | 0.07 | 0.20 | 0.0028 | 0.0079 |
| D | 1.10 | 1.30 | 0.043 | 0.051 |
| E | 0.70 | 0.90 | 0.028 | 0.035 |
| H _E | 1.50 | 1.70 | 0.059 | 0.067 |
| L | 0.15 | 0.25 | 0.006 | 0.010 |

Marking



Ordering information

| Order code | Package | Base qty | Delivery mode |
|--------------|---------|----------|---------------|
| UMW ESD5Z5VU | SOD-523 | 3000 | Tape and reel |