

Part Number: SM77H154-30.0M

This part is the same as the standard Pletronics Part: **SM7744MEV-30.0M** except the temperature range is extended from the standard -40°C to +85°C to the increased range of -40°C to +100°C.

The standard part operates within its specified parameters over the increased range except the frequency deviation parameter. The part will be tested over the increased temperature range to meet this specification.

Pletronics Inc. certifies this device is in accordance with the RoHS 6/6 (2002/95/EC) and WEEE (2002/96/EC) directives.

Pletronics Inc. guarantees the device does not contain the following:
Cadmium, Hexavalent Chromium, Lead, Mercury, PBB's, PBDE's
Weight of the Device: 0.17 grams
Moisture Sensitivity Level: 1 As defined in J-STD-020C
Second Level Interconnect code: e4

Absolute Maximum Ratings:

Parameter	Unit
V _{CC} Supply Voltage	-0.5V to +7.0V
V _i Input Voltage	-0.5V to V _{CC} + 0.5V
V _o Output Voltage	-0.5V to V _{CC} + 0.5V
I _o Output Current	+25 mA to -25 mA

Thermal Characteristics

The maximum die or junction temperature is 155°C
The thermal resistance junction to board is 30 to 50°C/Watt depending on the solder pads, ground plane and construction of the PCB.



SM77H Series 3.3 V SM77H154-30.0M CMOS Clock Oscillators

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