PLANAR MONOLITHICS INDUSTRIES MODEL LM-80M600M-C3-1 IS A HIGH POWER LIMITER THAT WORKS FROM 80MHz TO 600 MHz. THIS LIMITER HANDLES 5 WATTS CW WITH A LEAKAGE POWER OF +10 dBm MAXIMUM.

TESTED BY: KEVIN MANSFIELD & SEBASTIAN PALACIO

REPORTED BY: SEBASTIAN PALACIO

JUNE 8, 2013
TYPICAL CHARACTERISTICS

ON

LM-80M600M-C3-1

PLANAR MONOLITHICS

CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RANGES

SPECIFICATIONS

TYPICAL

WEIGHT: > 0.2 oz. typical
SIZE: 1.4 x 1.3 x .275
CONNECTORS: SMA male input and female output
DC BLOCKGND: 125 kΩ (max)
RECOVERY TIME: 15 μs max
DUKE POWER: +10 dBm max
PEAK POWER: 5 Watts CW ≥ +25 dB
INSERTION LOSS: 12 dB (max)
REFERENCES: 80 to 600 MHz

PLM MONOLITHICS INTERNATIONAL MODEL LM-80M600M-C3-1 IS A

HIGH POWER LIMITER

Planar Monolithics Industries, Inc.

7311-F Grove Road
Frederick, MD 21704

TEL: 301-682-5019   FAX: 301-662-1731
email: sales@pmi-rf.com
## TYPICAL CHARACTERISTICS
ON
LM-80M600M-C3-1

<table>
<thead>
<tr>
<th>TEST ITEM NO:</th>
<th>PARAMETERS</th>
<th>SPECIFIED VALUE</th>
<th>MEASURED VALUE</th>
<th>REMARKS QA/QC</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>FREQUENCY RANGE:</td>
<td>80 MHz TO 600 MHz</td>
<td>80 MHz TO 600 MHz</td>
<td>See Plot</td>
</tr>
<tr>
<td>2</td>
<td>INPUT VSWR: @ 0dBm</td>
<td>1.5:1 MAXIMUM</td>
<td>1.14:1</td>
<td>See Plot</td>
</tr>
<tr>
<td>3</td>
<td>INSERTION LOSS: @ 0dBm</td>
<td>1.2 dB MAXIMUM</td>
<td>-0.4dB</td>
<td>See Plot</td>
</tr>
<tr>
<td>4</td>
<td>LEAKAGE POWER:</td>
<td>+10 dBm MAX.</td>
<td>PASS</td>
<td>See Graph</td>
</tr>
<tr>
<td>5</td>
<td>PEAK POWER:</td>
<td>5 WATTS CW @ +25 C</td>
<td>PASS</td>
<td></td>
</tr>
</tbody>
</table>
TYPICAL CHARACTERISTICS
ON
LM-80M600M-C3-1

Typical Data

Insertion Loss and Input Return Loss @ 0dBm Input Power