



## Amplifiers Modules

### STANDARD MODELS

| Model         | Frequency Range                            | Output Power<br>min<br>W                  | P1dB                            | Input Power<br>max<br>dBm | Gain<br>min<br>dB     | Gain Flatness<br>max<br>dB | Input VSWR<br>typ / max | Output VSWR<br>typ / max |
|---------------|--|---|---------------------------------|---------------------------|-----------------------|----------------------------|-------------------------|--------------------------|
| MTM0P1-230-10 | 0.1...230 MHz                              | 10  |                                 | 5                         | 44                    | ±2                         | 1.5/2                   | 2.5/3                    |
| Model         | 2nd Harmonic<br>Power @ Psat<br>max<br>dBc | 3rd Harmonic<br>Power@ Psat<br>max<br>dBc | Spur @ Psat<br>typ / max<br>dBc | Noise figure<br>typ<br>dB | Stability<br>yes / no | VSWR Load                  | Line Power<br>VA        |                          |
| MTM0P1-230-10 | -15  | -10                                       | -65/-60                         | 10                        | Y                     | 3                          | 100                     |                          |

### STANDARD SPECIFICATIONS

Overdrive Protection: up to 5 dBm for no damage  
 Input Impedance: 50 Ohm nominal  
 Output Impedance: 50 Ohm nominal  
 Noise Figure: 20 dB max.  
 Class of Operation: AB-linear

### GENERAL

RF Input: SMA;  
 RF Output: SMA;  
 Mains Supply: <300 VA DC 28V  
 Ambient Temperature: 0 ... +45 °C  
 Storage Temperature: -20 ... +65 °C

Relative Humidity: up to 95% (non-condensing)  
 Operating Altitude: up to 2000 m above sea level  
 Vibration and Shock: normal laboratory environment  
 Cooling: forced air with integral blower  
 air intake and exhaust at rear