

RF AMPLIFIER

MODEL *TM6724*

Available as: TM6724, 4 Pin TO-8 (T4)
 TN6724, 4 Pin .450" Surface Mount (SM3)
 BX6724, SMA Connectorized Housing (H1)

Features

- High Gain: 43 dB Typical
- Medium Output Power: +20 dBm Typical
- Operating Temp. - 55 °C to +85 °C
- Environmental Screening Available

Specifications

CHARACTERISTICS	TYPICAL Ta= 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	10 - 500 MHz	10 - 500 MHz
Gain	43 dB	42 dB Min.
Power @ 1 dB Comp.	+20 dBm	+18 dBm Min.
Reverse Isolation	-41 dB	-
VSWR In	1.5:1	2.0:1 Max.
VSWR Out	1.5:1	2.0:1 Max.
Noise Figure	3.5 dB	4.5 dB Max.
Power Vdc	+15	+15
mA	155	160 Max.

Note: Care should always be taken to effectively ground the case of each unit.

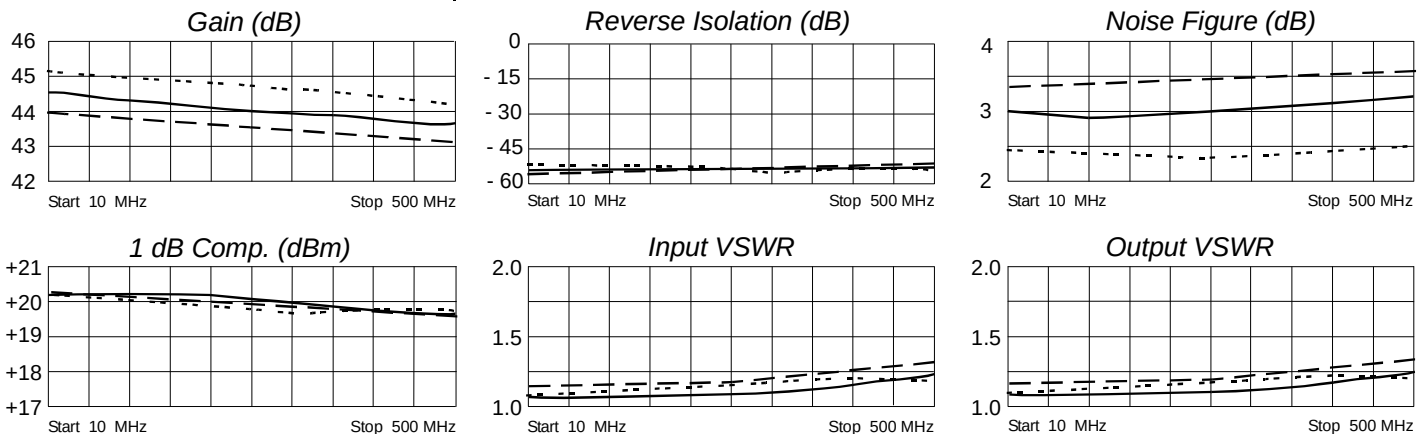
Typical Intermodulation Performance at 25 °C

Second Order Harmonic Intercept Point+50 dBm (Typ.)
 Second Order Two Tone Intercept Point +45 dBm (Typ.)
 Third Order Two Tone Intercept Point +35 dBm (Typ.)
 (Intercept measurements are tested at midband)

Maximum (No Damage) Ratings

Ambient Operating Temperature -55°C to + 100 °C
 Storage Temperature -62°C to + 125 °C
 Case Temperature + 125 °C
 DC Voltage + 16 Volts
 Continuous RF Input Power + 13 dBm
 Short Term RF Input Power..... 50 Milliwatts (1 Minute Max.)
 Maximum Peak Power 0.5 Watt (3 µsec Max.)
 Revision 12/10/2012

Typical Performance Data



Legend ——— + 25 °C - - - - + 85 °C -55 °C



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