

MODEL KMS1033
10 WATTS CW
20 MHz - 2500 MHz

The Model KMS1033 is an RF power amplifier module for OEM applications or integration into a user system. The module comprises a printed wiring assembly housed in a machined aluminum enclosure with feed-through capacitive terminals for connection to the DC power source. Cooling requirements defined by the data provided below and protection of the output devices against output mismatch are the responsibility of the user.

SPECIFICATIONS

POWER OUTPUT @ 1db COMPRESSION	10 Watts
INPUT FOR RATED OUTPUT	0 dBm
FREQUENCY RESPONSE	20 – 2500 MHz
CLASS OF OPERATION.....	AB
GAIN	40 dB
FLATNESS	± 2.5 dB
INPUT IMPEDANCE.....	50 Ohm
OUTPUT IMPEDANCE	50 Ohm
MISMATCH TOLERANCE	2 : 1
MODULATION CAPABILITY.....	CW, AM, FM
NOISE FIGURE	6 dB
HARMONIC DISTORTION	-15 dBc in band
PRIMARY POWER	28 VDC @ 2A average
RF CONNECTORS	SMA
SIZE (L x W x H).....	6.3 x 3.2 x 1.1 inches
OPERATING TEMPERATURE @BASEPLATE	0° C to +85° C
TEMPERATURE SHUTDOWN	85° C

PRELIMINARY

DOC # 7-98-XXXX-XXXX REV - 12 NOV 2007
