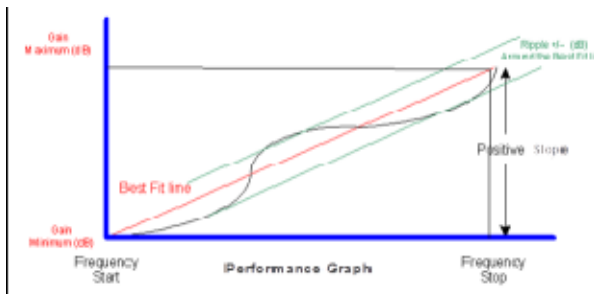


Amplifier Modules, 0.1-6.0GHz, Split Bands SMA Female Connectors

Models	I1A	I1B	F1A	I1C	F1B	Units
Frequency	0.1-0.5	0.7-2.0	0.79-2.0	2-6	2-6	GHz
Gain Nominal @-40 / (*-20) °C	20 @ 0.1	23 @ 0.7	31 @ 0.79	(29 @ 2.0)*	23 @ 2.0	dB @ GHz
	23 @ 0.5	29 @ 2.0	34 @ 2.0	(36 @ 6.0)*	28 @ 6.0	dB @ GHz
Gain Nominal @+25°C	19 @ 0.1	22 @ 0.7	30 @ 0.79	28 @ 2.0	22 @ 2.0	dB @ GHz
	22 @ 0.5	28 @ 2.0	33 @ 2.0	35 @ 6.0	27 @ 6.0	dB @ GHz
Gain Nominal @ +71/ (*55)°C	18 @ 0.1	21 @ 0.7	29@0.79	(27 @ 2.0)*	21 @ 2.0	dB @ GHz
	21 @ 0.5	27 @ 2.0	32@2.0	(34 @ 6.0)*	26 @ 6.0	dB @ GHz
Slope	3 ±0.5 min	6 ±0.5 min	3 ±0.5 min	7 ±0.5 max	5±0.5 max	dB
Flatness alone slope at one temp	±0.3 over (500)	±0.3 over (500)	±0.3 over (600)	±0.6 over (800)	±0.3 over (800)	dB max over any (x)MHz
NF @ +25 °C and-40/ (*-20)°C	2	1.5	2.2 @ 0.79	(4.0 @ 2) *	1.5	dB max
			1.8 @ 2.0	(3.0 @ 6)*		
NF @ +71/ (+55*)°C	2.5	2	2.5 @ 0.79	(4.8 @ 2)*	1.8	dB max
			2.0 @ 2.0	(3.3 @ 6)*		
P1dB @ +25 & -40 / (*-20)°C	+24	+34	+24	(+29) *	+19	dBm min
P1dB @71/ (+55*) °C	+23	+33	+23	(+28) *	+18	dBm min
OIP3 @ +25 & -40 / (-20 *) °C	+35	+40	+32	(+35) *	+28	dBm min
OIP3 @71(+55*) °C	+34	+39	+31	(+34)*	+27	dBm min
VSWR (In & Out)	2.0:1	2.0:1	1.6:1	2.0:1	1.8:1	max
Harmonics @ P1dB	-15	-15	-15	-15	-15	dBc min
Spurious Level	-50	-50	-50	-50	-50	dBc min
DC Current @ + 12 V	240	240	240	980	240	mA nom
Input Power Handling	+18	+18	+19	+17	+17	dBm max CW
In/Out Connectors	SMA f	SMA f	SMA f	SMA f	SMA f	SMA

Order Examples: RAMP-0.1-0.5-24dBm-P1dB@25°C -Sf-k2

Description: (Amplifier, 0.1-0.5GHz, 24dBm-P1dB@25°C, SMA Female Connectors)



Environmental Requirements

Operating Temperature: -10 to +71°C

Humidity: Relative Humidity of 95% at 30 to 60°C

Mechanical Shock: Normally mounted in operational mode, shall withstand saw tooth shocks (3 shocks in each direction, 3 perpendicular axes, a total of 18 impacts) shocks peak of 20G for duration of 10-12 msec.

Equivalent to MicroKim AM Series