

KAP01**1** models are particularly designed for cellular basestation application. These high performance product are characterized by up to 40 dB gain with low noise figure. The operational frequency range is 824~849 MHz. Other frequency bands are available upon request. Type N, BNC or SMA connectors are standard.

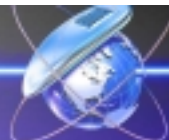


Ordering Information

Specify center frequency and bandwidth, gain, 1CP, IMD3 and I/O port connector types

Electrical Specifications

	KAP018140-000	KAP018138-000	KAP018140-001
Frequency Range (MHz)	824 ~ 849	824 ~ 849	824 ~ 849
1dB Compression Point	+27 dBm (min.)	-	+27 dBm (min.)
Gain	40 ± 1dB	38 ± 1dB	40 ± 1dB
Gain Flatness	±0.5 dB (max.)	±0.5 dB (max.)	±0.5 dB (max.)
VSWR(IN / OUT)	1 : 3 : 1 (max.)	1.3 : 1 (max.)	1.3 : 1 (max.)
Noise Figure (max.)	1.1 dB	1.1 dB	1.1 dB
IP3 (min.)	+38 dB	+35 dBm	+38 dBm
RF In / Output Impedance	50 ohms	50 ohms	50 ohms
DC Power	18~30 VDC	8 0.5 VDC	8~12 VDC
Current	400 mA (max.)	450 mA (max.)	450 mA (max.)
Operating Temperature	-30°C ~ +50°C -22°F ~ +122 °F	-20 °C ~ +50 °C -4°F ~ +122 °F	-30 °C ~ +60 °C -22 °F ~ +140 °F



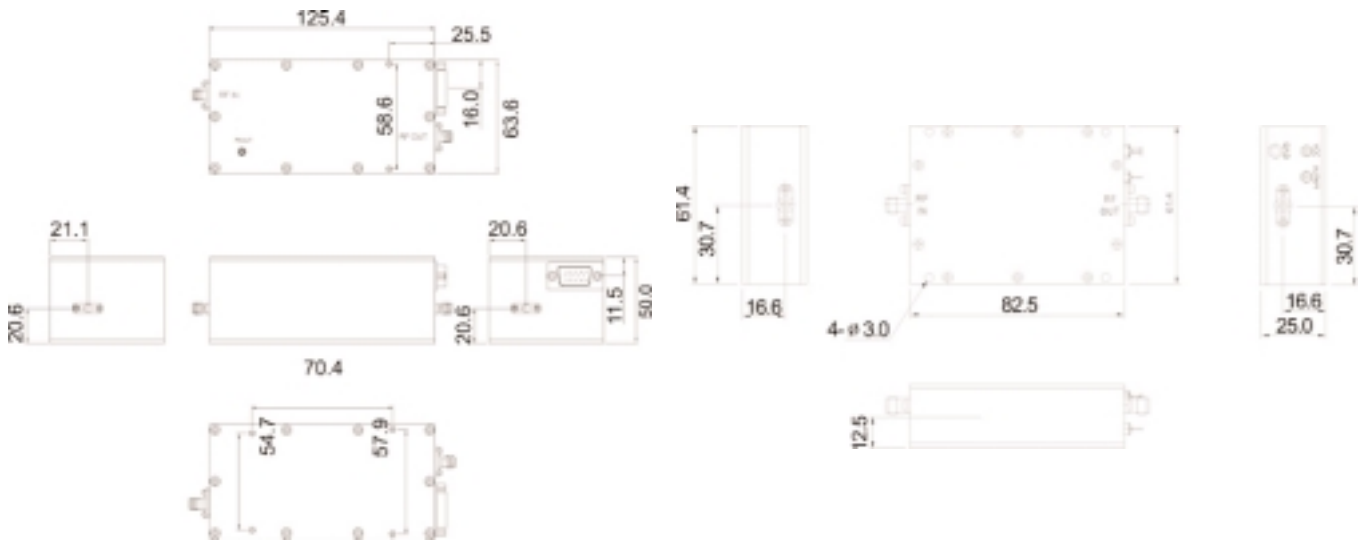
Mechanical Specifications

	KAP018140-000	KAP018138-000	KAP018140-001
Dimensions (W*H*D) (mm)	125.4*63.6*50.0	82.5*61.4*25.0	87.0*53.0*25.0
(inch)	4.94*3.29*1.97	3.25*2.42*0.98	3.43*2.09*0.98
DC Power	D-Sub 15 pin connector	EMI Filter	Molex 5 Pin Connector
I/O Port Connectors	SMA(F)	SMA(F)	SMA(F)

KAP018140-000

KAP018138-000

Unit : mm



KAP018140-001

