

LOW NOISE BLOCK - LNB'S KU-BAND

MW MICROELECTRONICS TECHNOLOGY INC.

STGold

An LNB for all your applications, Offset & Prime Focus from quality international manufacturers.



Ku-band	LK-MTIDp	LK-MTI/107	LK-MTIDpPf	LK-MTISp
Style	Offset	Offset	Prime Focus	WR75 Flange
Frequency Input	12.25~12.75GHz	11.7~12.75GHz	12.25~12.75GHz	12.25~12.75GHz
Frequency Output	950~1450MHz	1000~2050MHz	950~1450MHz	950~1450MHz
Connector Type	75Ω F/Type	75Ω F/Type	75Ω F/Type	75Ω F/Type
Output VSWR	2.5:1	2.5:1	2.0:1	1.7:1
L.O. Frequency	11.3GHz	10.7GHz	11.3GHz	11.3GHz
L.O. Stability	+/-1MHz	+/-1MHz	+/-1MHz	+/-500KHz
Conversion Gain	55dB (Typ)	55dB (Typ)	65dB (Typ)	55dB (Typ)
Noise Figure	0.4dB (Typ)	0.4dB (Typ)	0.4dB (Typ)	0.4dB (Typ)
Image Rejection	40dB (Min)	40dB (Min)	45dB (Min)	45dB (Min)
Cross Pol. Isolation	20dB (Min)	20dB (Min)	25dB (Min)	
Current Consumption	110mA (Typ)	110mA (Typ)	110mA (Typ)	120mA (Typ)
Operating Voltage	Vert: 11.5~14VDC Horz: 16~19VDC	Vert: 11.5~14VDC Horz: 16~19VDC	Vert: 11.5~14VDC Horz: 16~19VDC	12~24VDC
Operating Temperature	-40° ~ +60°C	-40° ~ +60°C	-40° ~ +60°C	-40° ~ +60°C



UNIVERSAL	LK-MTIUNI	LK-MTIUNIDu	LK-MTIUNIQ	LK-MTIUNIPf
Style	Offset	Offset	Offset	Prime Focus
Outputs	Single	Dual (2)	Quad (4)	Single
Frequency Input	Low: 10.7~11.7GHz High: 11.7~12.75GHz	Low: 10.7~11.7GHz High: 11.7~12.75GHz	Low: 10.7~11.7GHz High: 11.7~12.75GHz	Low: 10.7~11.7GHz High: 11.7~12.75GHz
Frequency Output	Low: 950~1950MHz High: 1100~2150MHz	Low: 950~1950MHz High: 1100~2150MHz	Low: 950~1950MHz High: 1100~2150MHz	Low: 950~1950MHz High: 1100~2150MHz
Connector Type	75Ω F/Type	75Ω F/Type	75Ω F/Type	75Ω F/Type
Output VSWR	2.0:1	2.0:1	2.0:1	2.0:1
L.O. Frequency	Low: 9.750GHz High: 10.75GHz	Low: 9.750GHz High: 10.75GHz	Low: 9.750GHz High: 10.75GHz	Low: 9.750GHz High: 10.75GHz
L.O. Stability	+/-1MHz	+/-1MHz	+/-1MHz	+/-1MHz
Conversion Gain	65dB (Typ)	65dB (Typ)	65dB (Typ)	65dB (Typ)
Noise Figure	0.4dB (Typ)	0.4dB (Typ)	0.4dB (Typ)	0.4dB (Typ)
Image Rejection	45dB (Min)	45dB (Min)	45dB (Min)	45dB (Min)
Cross Pol. Isolation	25dB (Min)	25dB (Min)	25dB (Min)	25dB (Min)
Current Consumption	110mA (Typ)	110mA (Typ)	110mA (Typ)	110mA (Typ)
Operating Voltage	Vert: 11.5~14VDC Horz: 16~19VDC	Vert: 11.5~14VDC Horz: 16~19VDC	Vert: 11.5~14VDC Horz: 16~19VDC	Vert: 11.5~14VDC Horz: 16~19VDC
Band Switching	Low: 0KHz High: 22+/-4KHz	Low: 0KHz High: 22+/-4KHz	Low: 0KHz High: 22+/-4KHz	Low: 0KHz High: 22+/-4KHz
Operating Temperature	-40° ~ +60°C	-40° ~ +60°C	-40° ~ +60°C	-40° ~ +60°C