

Heritage Upconverter Line Up

Ku/Ka-band Upconverter



Main Characteristics

- o Low Noise Figure, High Linearity
 - NF= 8.5dB max. @+60degC
 - Gain= 30 dB min.
 - C/3IM= -50dBc max. (Pin= -38 dBm each)
- o Self gain compensation by using the Variable Gain Amp over temperature.
- o Positive Slope : Ghot-Gcold= 0.5 to 1.5dB

Specification Table

PARAMETER	UNIT	Performance		
		Min.	Nom.	Max.
Input FREQ	GHz			
Type1	GHz	14		14.375
Type2	GHz	14		14.5
External LO FREQ	GHz			
Type1	GHz		4.3	
Type2	GHz		5.7	
Output FREQ	GHz			
Type1	GHz	18.3		18.675
Type2	GHz	19.7		20.2
BW	MHz			
Type1	MHz		375	
Type2	MHz		500	
Gain	dB	30	31	
NF	dB			8.5
ICP (OUT)	dBm	+20		
Spurious Output				
Inband Spurious	dBc			-60
LO Harmonics	dBm			-90
In/Out Return Loss	dB	21		
RF Input I/F		SMA Female		
IF Output I/F		Extended SMA Female		
Pdc	W			5.5
Mass	Kg			0.8
Temp				
Qualification	degC	-15		65
Acceptance	degC	-10		60