

DigiSite™

33 Channel Integrated VAGI™ Downconverter/Antenna PM3382

Operating Specifications

Parameter	Minimum	Recommended	Maximum	Units
Frequency Range (MDS)	2500		2686	MHz
Input Frequency (MDS)	2150		2162	MHz
Output Impedance		75		ohms
Maximum Temp. Range	-40		+60	°C
Humidity	0		100	%
Input Voltage	12	15	22	V

Electrical Performance

Parameter	PM 3382	Units
Gain (Overall)	50	dB
Gain Flatness (1 ch)	±.2	dB
Gain Flatness (33 ch)	±1.5	dB
Noise Figure (converter)	1.5	dB
Image Rejection	40	dB

Mechanical Specifications

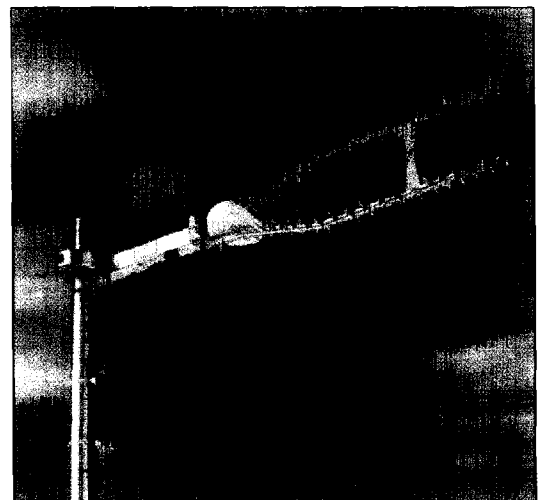
Wafer Mounting	Ultrasonically Welded
Mounting Hardware	Stainless Steel
Mounting Bracket	Quickmount, 0° to 45°
Length	24 "
Width	4 "
Height	3 "
Weight	1.5 lb
Finish	Flat Silver Alodine

PM 3382

IF Rejection	>80 dB
Spurious in IF Band	<-90dBm
IMD (2 tone test) ¹	-50 dBc
Max Output (31 ch)	29 dBmV
LO Frequency Set ²	2278 MHz
LO Freq. Stability Over Temp.	±25 kHz
LO Phase Noise @ 10 kHz Offset	-90 dBc/Hz
Output Frequency (MMDS)	222-408 MHz
Output Frequency (MDS)	116-128 MHz
Input Current	200 mA

Antenna Specifications

Antenna Gain	18 dBi
Antenna Front to Back Ratio	25 dB
Antenna Side Lobe Level	18 dB
Antenna Cross Polarization	30 dB



Typical values at +25°C.

1 Measured with two tones 0 dBm output.

2 Contact Sales for other LO frequencies.