



INTEGRATED MMDS DOWNCONVERTERS Use with Grid Antennas

* Other Downconverters Available

2500 - 2686 MHz

	GIDDC-2278	GIDC-2278
RF Data		
RF Frequency (MHz)	2500-2686	2500-2686
IF Frequency (MHz)	222-408	222-408
LO Frequency (MHz \pm 25KHz) *	2278	2278
Noise Figure (dB) typical	2.5	3.0
Gain (dB \pm 2dB) typical	36	32
Gain Flatness (dB) (\pm 0.25 dB/6MHz)	1.5	1.5
Phase Noise (dBc/Hz@10KHz max)	-90	-90
Digital Compatibility (QAM)	256	256
PCS Rejection (1930-1990MHz)	90	90
PCS Rejection Pre-LNA (dB)	40	40
WCS Rejection (2305-2360MHz)	90	90
WCS Rejection Pre-LNA (dB)	20	20
IF Rejection (dB min)	>90	>90
Out of band spurious (dBm@OP-40dBm)	<90	<90
I.M.D. (2 Tone Test)(dBc) typical	-45	-45
Two equal tones @-30dBmInput		
RF Input Level		
Single Channel (dBm max)	-20	-20
31 Channels each (dBm max)	-35	-35
RF Output Level		
Single Channel (dBm max)	+60	+60
31 Channels each (dBm max)	+30	+30
Radar Immune	Yes	No
Electrical Data		
Input Structure (Integrated)	Passive Feed	Passive Feed
Output Connector (Female)	F Type	F Type
Ohms	75	75
DC Voltage (Vdc through Connector)	+15-+24	+15-+24
Current (mA) (max)	230	230
Operating Temperature (-C to +C)	-40 to +60	-40 to +60
Lightning & Surge Protection	Yes	Yes
* L. O Frequencies Available		
1838, 1998, 2030, 2033, 2065, 2468 MHz	Yes	Yes

Power Supply

Not included with downconverter
 Visit section PS-DC