

**YAGI INTEGRATED DOWNCONVERTER**

MMDS Applications

**2500 - 2686 MHz**

YADC-2278

**RF Data**

RF Frequency (MHz)	2500-2686
IF Frequency (MHz)	222-408
LO Frequency (MHz $\pm$ 25KHz) *	2278
Noise Figure (dB) typical	2.5
Gain (dB $\pm$ 2dB) typical	32
Gain Flatness (dB) ( $\pm$ 0.25 dB/6MHz)	1.5
Phase Noise (dBc/Hz@10KHz max)	-90
Digital Compatibility (QAM)	256
PCS Rejection (1930-1990MHz)	90
PCS Rejection Pre-LNA (dB)	40
WCS Rejection (2305-2360MHz)	90
WCS Rejection Pre-LNA (dB)	20
IF Rejection (dB min)	>90
Out of band spurious (dBm@OP-40dBm)	<90
I.M.D. (2 Tone Test)(dBc) typical	-45
Two equal tones @-30dBmInput	
RF Input Level	
Single Channel (dBm max)	-20
31 Channels each (dBm max)	-35
RF Output Level	
Single Channel (dBm max)	+60
31 Channels each (dBm max)	+30
Radar Immune	No

**Electrical Data**

Input Structure (Integrated)	Passive Feed
Output Connector (Female)	F Type
Ohms	75
DC Voltage (Vdc through Connector)	+15-+24
Current (mA) (max)	230
Operating Temperature (-C to +C)	-40 to +60
Lightning & Surge Protection	Yes

**\* L. O Frequencies Available**

1838, 1998, 2030, 2033, 2065, 2468 MHz	Yes
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