



Multiplier 457-X81

Parameter	Specifications
Electrical Specifications	
Input Frequency Range	103.5 MHz to 110.0 MHz
Input Power Range	+5 to +9 dBm
Output Frequency Range	8.38 to 8.88 GHz.
Output Power (at selected Output)	8 ± 2 dBm
Harmonics	Less than -25 dBc
Sub harmonics and Spurious	Less than -50 dBc
Additional noise (due to multiplication)	41 dB Maximum
Isolation between Outputs	40 dB Minimum
Switching time	Less than 30 nanosecond
Control	1 TTL line
Control Logic	"0" Logic: Out 1; "1" Logic: Out 2
DC Power	+15 Volt, 365mA Max.; -15 Volt, 20mA Max.
Mechanical Specification:	
Outline	Will be sent later
Size	111 x 42 x 20 mm
Connectors:	
RF	SMA-F
DC	RFI Solder Pins
Control	Solder Pins
Environmental conditions:	
Operating temperature:	-30 to +83 Deg C, 1Aw guidelines of MIL-STD-810
Storage temperature:	-54 to +128 Deg C, 1Aw guidelines of MIL-STD-810
Humidity	Per MIL-STD 202F, Method 103B, Cond. B, 964
Shock:	Per MIL-STD 202F, Method 204B, Cond. C, ½ Sin 100g
Altitude:	Per MIL-STD 202F, Method 105B, Cond. C
Vibration:	Per MIL-STD 202F, Method 204B, Cond. D, 20g
Thermal shock:	Per MIL-STD 202F, Method 107B, Cond. A