

DA1763

X BAND BALANCED UPCONVERTER WITH INTEGRAL ISOCIRULATOR

The DA1763 is a balanced upconverter with an integral isocirculator for use in satellite communications.

The upconverter features a very flat conversion loss response RF and IF connectors are hermetic SMA female.

FEATURES

- Flat Conversion Loss
- Good Input and IF Port Match
- Hermetically Sealed

ELECTRICAL CHARACTERISTICS @ 25°C

Parameter	Min.	Typ.	Max.	Units
Output Frequency Range	7.9	-	8.4	GHz
LO Frequency Range	7.2	-	7.7	GHz
Input Frequency Range	640	-	760	MHz
Local Oscillator Power	+10	-	+14	dBm
Conversion Loss	4.3	-	5.75	dB
Conversion Loss Flatness Over 120MHz Band	-	0.15	0.25	dB
Input Return Loss	14	17	-	dB
Output Return Loss	17	20	-	dB
Isolation LO to Input	30	35	-	dB
Isolation LO to Output	20	25	-	dB
1dB Compression Output Level	-1	-	-	dBm
Operating Temperature Range	0	-	+40	°C
Storage Temperature Range	-40	-	+90	°C

OUTLINE DRAWING Dimensions in mm (inches)

