Specification Sheet

MCL P/N: HPF-505X+
Spec Sheet Rev: Orig
Model's Family: Mixer
Prepared For: ALL CUSTOMERS

Electrical Specifications :

General Notes: SPECIFICATION @ +25°C

Electrical conditions:

RF FREQUENCY (IN):	10-1000 MHz
RF INPUT POWER:	-15dBm
LO FREQUENCY:	10-1000 MHz
LO INPUT POWER:	+7dBm
IF FREQUENCY (OUT):	5-500 MHz

Guaranteed Performance:

CONVERSION LOSS	@ 20-500 MHz	7.5dB Max	
	@ 10-1000 MHz	8dB Max	
ISOLATION L-R	@ 10-100 MHz	40dB Min	50dB Typ
	@ 100-500 MHz	30dB Min	40dB Typ
	@ 500-1000 MHz	20dB Min	30dB Typ
ISOLATION L-I	@ 10-100 MHz	45dB Min	50dB Typ
	@ 100-500 MHz	35dB Min	40dB Typ
	@ 500-1000 MHz	25dB Min	35dB Typ
INPUT @1 dB COMPRESSION		+1dBm Typ	

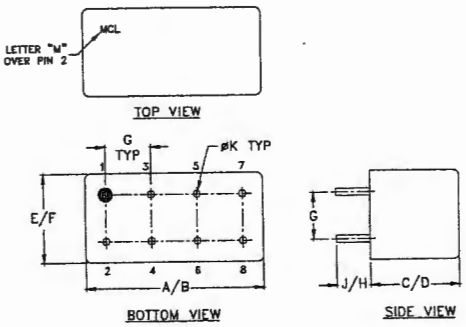
Impedance (Ohm):	50
Operating Temperature(°C):	-55 to+100

Pin Connections

LO	8
RF	3,4^
IF	1
GROUND	2,5,6,7
CASE GROUND	2,5,6,7

^ pins must be connected together externally

Outline Drawing



Mechanical Specifications :

Case Style: A06
Case Type: PLUG-IN
Termination Finish:
Tin Over Nickel

Pin Connections:

LO: Pin# 8
RF: Pin# 3,4 must be connected together externaly
IF: Pin# 1
GND EXT: Pin# 2,5,6,7

Material Restriction:

RoHS compliant: YES

Marking:

Unit, MCL P/N to be marked: HPF-505X+
Labels on reel and outer packing to be marked:HPF-505X+ , and No-Lead symbol Pb