

## Mixers

### Broadband Millimeter Mixer 6 to 40GHz

*Coaxial*

JXWBHP-M1840C (Connector package)

Items	Min	Typ	Max	Notes
LO(RF) (GHz)	18	-	40	
IF (GHz)	0	-	10	
LO Power (dBm)	+5	-	+10	
Conversion Loss (dB)	-	10	-	
Isolation L-R (dB)	-	20	-	
Isolation L-I (dB)	-	20	-	
Pout@1dB (dBm)	-	+4	-	
Operating Temperature (°C)	-55	-	+85	
Storage Temperature (°C)	-65	-	+100	

JXWBHP-M440 (Drop-in package)

JXWBHP-M440C (Connector package)

Items	Min	Typ	Max	Notes
LO(RF) (GHz)	6	-	40	
IF (GHz)	0.5	-	12	
LO Power (dBm)	+7	-	+13	
Conversion Loss (dB)	-	10	12	
Isolation L-R (dB)	16	20	-	
Isolation L-I (dB)	-	20	-	
Pout@1dB (dBm)	-	+6	-	
Operating Temperature (°C)	-55	-	+85	
Storage Temperature (°C)	-65	-	+100	

### Frequency Multiplier 2 to 22GHz

P/N	Drive Power (dBm)	Input Freq. (GHz)	Output Freq. (GHz)	Conversion Loss (dB)	Input VSWR	3 <sup>rd</sup> Rejection (dBc)	Case
JXWBHP-D24/24c	+13	1-2	2-4	10	1.5	25	A1,A1-C
JXWBHP-D48/48c	+13	2-4	4-8	10	1.5	25	A1,A1-C
JXWBHP-D48B/48bc	+13	2-4	4-8	10	1.5	25	B1
JXWBHP-D816/816c	+13	4-8	8-16	10	2	25	A1,A1-C
JXWBHP-D816B/816bc	+13	4-8	8-16	10	2	25	B1
JXWBHP-D418/418c	+13	2-9	4-18	11	2	25	A1,A1-C
JXWBHP-D420/420c	+13	2-10	4-20	11.5	2	25	A1,A1-C
JXWBHP-D622/622c	+13	3-11	6-22	11	2.5	25	B1

**Notes:**

- Operating Temperature : -55 °C to +85 °C. Storage Temperature : -65 °C to +100 °C.