

MII 0.5 – 26.5GHz Broad Band Low Noise Amplifier



- Features: ■ Low Noise Figure, Wide Bandwidth
 ■ Designed To Meet Mil-STD-883

Microwave Industries Inc.
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MII Model Number	Frequency Range (GHz) Min.	Gain (dB) Min.	Noise Figure (dB) Max.	P1dB (dBm) Min.	Gain Flatness (+/- dB) Max.	IP3 (dBm) Type	VSWR I/O Max.	Current 12VDC* (mA) Typ.	Case Option SKC –
+25 °C									
MILA-0502N2010	0.5 – 2.0	20	2.5	10	1.0	20	2:1/ 2:1	150	GP2, SP1
MILA-0502N3015	0.5 – 2.0	30	2.5	15	1.2	25	2:1/ 2:1	200	GP4, SP2
MILA-0502N4020	0.5 – 2.0	40	2.5	20	1.4	30	2:1/ 2:1	300	GP6, SP4
MILA-1020N2010	1.0 – 2.0	20	2.2	10	0.8	20	2:1/ 2:1	150	GP2, SP1
MILA-1020N3015	1.0 – 2.0	30	2.2	15	1.0	25	2:1/ 2:1	200	GP4, SP2
MILA-1020N4020	1.0 – 2.0	40	2.2	20	1.2	30	2:1/ 2:1	300	GP6, SP4
MILA-2040N2010	2.0 – 4.0	20	2.2	10	1.0	20	2:1/ 2:1	150	GP2, SP1
MILA-2040N3015	2.0 – 4.0	30	2.2	15	1.3	25	2:1/ 2:1	200	GP4, SP2
MILA-2040N4020	2.0 – 4.0	40	2.2	20	1.5	30	2:1/ 2:1	300	GP6, SP4
MILA-2060N2010	2.0 – 6.0	20	2.6	10	1.3	20	2:1/ 2:1	150	GP2, SP1
MILA-2060N3015	2.0 – 6.0	30	2.6	15	1.5	25	2:1/ 2:1	200	GP4, SP2
MILA-2060N4020	2.0 – 6.0	40	2.6	20	1.8	30	2:1/ 2:1	300	GP6, SP4
MILA-2080N2010	2.0 – 8.0	20	2.8	10	1.5	20	2:1/ 2:1	150	GP2, SP1
MILA-2080N3015	2.0 – 8.0	30	2.8	15	1.8	25	2:1/ 2:1	250	GP4, SP2
MILA-2080N4020	2.0 – 8.0	40	2.8	20	2.0	30	2:1/ 2:1	350	GP6, SP4
MILA-4080N2010	4.0 – 8.0	20	2.6	10	1.3	20	2:1/ 2:1	150	GP2, SP1
MILA-4080N3015	4.0 – 8.0	30	2.6	15	1.5	25	2:1/ 2:1	250	GP4, SP2
MILA-4080N4020	4.0 – 8.0	40	2.6	20	1.8	30	2:1/ 2:1	350	GP6, SP4
MILA-6012N2010	6.0 – 12.0	20	2.8	10	1.2	20	2:1/ 2:1	150	GP2, SP1
MILA-6012N3015	6.0 – 12.0	30	2.8	15	1.4	25	2:1/ 2:1	250	GP4, SP3
MILA-6012N4020	6.0 – 12.0	40	2.8	20	1.8	30	2:1/ 2:1	350	GP6, SP4
MILA-8012N2010	8.0 – 12.0	20	2.6	10	1.2	20	2:1/ 2:1	150	GP2, SP1
MILA-8012N3015	8.0 – 12.0	30	2.6	15	1.4	25	2:1/ 2:1	250	GP4, SP3
MILA-8012N4020	8.0 – 12.0	40	2.6	20	1.7	30	2:1/ 2:1	350	GP6, SP4
MILA-1218N2010	12.0 – 18.0	20	3.0	10	1.2	20	2:1/ 2:1	180	GP4, SP2
MILA-1218M3015	12.0 – 18.0	30	3.0	15	1.4	25	2:1/ 2:1	250	GP6, SP4
MILA-1218N4020	12.0 – 18.0	40	3.0	20	1.7	30	2:1/ 2:1	350	GP8, SP6
MILA-8018N2010	8.0 – 18.0	20	3.2	10	1.2	20	2:1/ 2:1	180	GP4, SP2
MILA-8018N3015	8.0 – 18.0	30	3.2	15	1.5	25	2:1/ 2:1	280	GP6, SP4
MILA-8018N4020	8.0 – 18.0	40	3.2	20	1.8	30	2:1/ 2:1	380	GP8, SP6
MILA-6018N2010	6.0 – 18.0	20	3.5	10	1.5	20	2:1/ 2:1	180	GP4, SP2
MILA-6018N3015	6.0 – 18.0	30	3.5	15	1.8	25	2:1/ 2:1	280	GP6, SP4
MILA-6018N4020	6.0 – 18.0	40	3.5	20	2.0	30	2:1/ 2:1	380	GP8, SP6
MILA-2018N2010	2.0 – 18.0	20	5.0	10	2.0	20	2.2:1	180	GP4, SP2
MILA-2018N3015	2.0 – 18.0	30	5.0	15	2.2	24	2.2:1	300	GP6, SP4
MILA-2018N4020	2.0 – 18.0	40	5.0	20	2.5	28	2.2:1	450	GP8, SP6
MILA-1826N3010	18.0 – 26.5	30	5.0	10	2.0	20	2.2:1	300	GM1

- +15 OR OTHER DC VOLTAGE IS AVAILBE ON REQUEST.

MII 0.5 – 18GHz Broad Band Low Noise Amplifier



- Features: ■ Low Noise Figure, Wide Bandwidth
 ■ Operates From – 54 °C to +85 °C
 ■ Designed To Meet MIL-STD-883

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MII Model Number	Frequency Range (GHz) Min.	Gain (dB)		Noise Figure (dB) Max.	P1dB (dBm) Min.	Gain Flatness (+/- dB) Max.	IP3 (dBm) Type	VSWR I/O Max.	Current 12VDC* (mA) Typ.	Case Option SKC –
		Min.	Max.							
- 54 TO +85 °C										
MILA-0520T2010	0.5 – 2.0	20	25	3.8	10	1.5	20	2:1/ 2:1	180	GP4, SP3
MILA-0520T3015	0.5 – 2.0	30	35	3.8	15	1.8	25	2:1/ 2:1	250	GP6, SP5
MILA-0520T4020	0.5 – 2.0	40	45	3.8	20	2.0	30	2:1/ 2:1	350	GP8, SP6
MILA-2080T2010	2.0 – 8.0	20	25	4.0	10	1.5	20	2:1/ 2:1	200	GP4, SP3
MILA-2080T3015	2.0 – 8.0	30	35	4.0	15	1.8	25	2:1/ 2:1	300	GP6, SP5
MILA-2080T4020	2.0 – 8.0	40	45	4.0	20	2.0	30	2:1/ 2:1	400	GP8, SP6
MILA-6012T2010	6.0 – 12.0	20	25	4.0	10	1.8	20	2:1/ 2:1	220	GP4, SP3
MILA-6012T3015	6.0 – 12.0	30	35	4.0	15	2.0	25	2:1/ 2:1	300	GP6, SP5
MILA-6012T4020	6.0 – 12.0	40	45	4.0	20	2.2	30	2:1/ 2:1	400	GP8, SP6
MILA-8018T2010	8.0 – 18.0	20	25	4.3	10	2.0	19	2:1/ 2:1	250	GP4, SP3
MILA-8018T3015	8.0 – 18.0	30	35	4.3	15	2.2	24	2:1/ 2:1	350	GP6, SP5
MILA-8018T4020	8.0 – 18.0	40	45	4.3	20	2.4	29	2:1/ 2:1	450	GP8, SP6
MILA-6018T2010	6.0 – 18.0	20	25	4.5	10	2.2	19	2:1/ 2:1	250	GP4, SP3
MILA-6018T3015	6.0 – 18.0	30	35	4.5	15	2.4	24	2:1/ 2:1	350	GP6, SP5
MILA-6018T4020	6.0 – 18.0	40	45	4.5	20	2.6	29	2:1/ 2:1	450	GP8, SP6
MILA-2018T2009	2.0 – 18.0	20	25	6.0	10	2.5	18	2.2:1	250	GP4, SP3
MILA-2018T3015	2.0 – 18.0	30	35	6.0	15	2.7	24	2.2:1	400	GP6, SP5
MILA-2018T4020	2.0 – 18.0	40	45	6.0	20	3.0	28	2.2:1	500	GP8, SP6
* +15V OR OTHER DC VOLTAGE IS AVAILABLE ON REQUEST.										