

# MII 1.0 – 21.0GHz Narrow Band Low Noise Amplifier



- Features:
- Noise Figure As Low As 1.5dB
  - Compact/Rugged Thin-Film Construction
  - Economically Priced

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MII Model Number	Frequency Range (GHz) Min.	Gain (dB) Min.	Noise Figure (dB) Min. Max.	P1dB (dBm) Min.	Gain Flatness (+/- dB) Min. Max.	IP3 (dBm) Type	VSWR I/O Max.	Current 12VDC* (mA) Typ.	Case Option SKC –
+25 °C									
MILA-1214N2010	1.2 – 1.4	20	1.5	10	0.5	20	2.0:1	150	GP2, SP1
MILA-1214N3015	1.2 – 1.4	30	1.5	15	0.6	25	2.0:1	200	GP4, SP2
MILA-1214N4020	1.2 – 1.4	40	1.5	20	0.7	30	2.0:1	300	GP4, SP3
MILA-2224N2010	2.2 – 2.4	20	1.5	10	0.5	20	2.0:1	150	GP2, SP1
MILA-2224N3015	2.2 – 2.4	30	1.5	15	0.6	25	2.0:1	200	GP4, SP2
MILA-2224N4020	2.2 – 2.4	40	1.5	20	0.7	30	2.0:1	300	GP6, SP4
MILA-2731N2010	2.7 – 3.1	20	1.5	10	0.5	20	2.0:1	150	GP2, SP1
MILA-2731N3015	2.7 – 3.1	30	1.5	15	0.6	25	2.0:1	200	GP4, SP2
MILA-2731N4020	2.7 – 3.1	40	1.5	20	0.7	30	2.0:1	300	GP6, SP4
MILA-3724N2010	3.7 – 4.2	20	1.5	10	0.5	20	2.0:1	150	GP2, SP1
MILA-3742N3015	3.7 – 4.2	30	1.5	15	0.6	25	2.0:1	200	GP4, SP2
MILA-3742N4020	3.7 – 4.2	40	1.5	20	0.7	30	2.0:1	300	GP6, SP4
MILA-5459N2010	5.4 – 5.9	20	1.5	10	0.5	20	2.0:1	150	GP2, SP1
MILA-5459N3015	5.4 – 5.9	30	1.5	15	0.6	25	2.0:1	250	GP4, SP2
MILA-5459N4020	5.4 – 5.9	40	1.5	20	0.7	30	2.0:1	350	GP6, SP4
MILA-5964N2010	5.9 – 6.4	20	1.5	10	0.5	20	2.0:1	150	GP2, SP1
MILA-5964N3015	5.9 – 6.4	30	1.5	15	0.6	25	2.0:1	250	GP4, SP2
MILA-5964N4020	5.9 – 6.4	40	1.5	20	0.7	30	2.0:1	350	GP6, SP4
MILA-7278N2010	7.2 – 7.8	20	1.5	10	0.5	20	2.0:1	150	GP2, SP1
MILA-7278N3015	7.2 – 7.8	30	1.5	15	0.6	25	2.0:1	250	GP4, SP2
MILA-7278N4020	7.2 – 7.8	40	1.5	20	0.7	30	2.0:1	350	GP6, SP4
MILA-7984N2010	7.9 – 8.4	20	1.5	10	0.5	20	2.0:1	150	GP2, SP1
MILA-7984N3015	7.9 – 8.4	30	1.5	15	0.6	25	2.0:1	250	GP4, SP2
MILA-7984N4020	7.9 – 8.4	40	1.5	20	0.7	30	2.0:1	350	GP6, SP4
MILA-8596N2010	8.5 – 9.6	20	1.6	10	0.5	20	2.0:1	200	GP2, SP1
MILA-8596N3015	8.5 – 9.6	30	1.6	15	0.6	25	2.0:1	250	GP4, SP2
MILA-8506N4020	8.5 – 9.6	40	1.6	20	0.7	30	2.0:1	350	GP6, SP4
MILA-9510N2010	9.5 – 10.5	20	1.6	10	0.5	20	2.0:1	200	GP2, SP2
MILA-9510N3015	9.5 – 10.5	30	1.6	15	0.6	25	2.0:1	250	GP4, SP4
MILA-9510N4020	9.5 – 10.5	40	1.6	20	0.7	30	2.0:1	350	GP6, SP5
MILA-1112N2010	11.7 – 12.2	20	1.7	10	0.6	20	2.0:1	200	GP2, SP2
MILA-1112N3015	11.7 – 12.2	30	1.7	15	0.7	25	2.0:1	250	GP4, SP4
MILA-1112N4020	11.7 – 12.2	40	1.7	20	0.8	30	2.0:1	300	GP6, SP5
MILA-1414N2010	14.0 – 14.5	20	2.0	10	0.6	20	2.0:1	200	GP2, SP2
MILA-1414N3015	14.0 – 14.5	30	2.0	15	0.8	25	2.0:1	250	GP4, SP4
MILA-1414N4020	14.0 – 14.5	40	2.0	20	0.9	30	2.0:1	300	GP6, SP5
MILA-2021N2010	20.0 – 21.2	20	3.5	10	0.6	20	2.0:1	250	GP4, SP3
MILA-2021N3014	20.0 – 21.2	30	3.5	15	0.8	25	2.0:1	350	GP6, SP4
MILA-2021N4020	20.0 – 21.2	40	3.5	20	1.0	30	2.0:1	450	GP6, SP5

\* +15 OR OTHER DC VOLTAGE IS AVAILABE ON REQUEST.