

# MII 1.0 – 14.5GHz Narrow Band Power Amplifier



- Features:
- Up To 20-Watts Output Power
  - 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 15VDC (mA) Typ.	Case Option SKC –
+25 °C									
MILA-1014N3537	1.0 – 1.4	35	7.0	37	1.0	20	2.0:1/ 2.0:1	3000	NP1
MILA-1014N4040	1.0 – 1.4	40	7.0	40	1.2	25	2.0:1/ 2.0:1	5000	NP2
MILA-1418N3537	1.4 – 1.8	35	7.0	37	1.0	30	2.0:1/ 2.0:1	3000	NP1
MILA-1418N4040	1.4 – 1.8	40	7.0	40	1.2	20	2.0:1/ 2.0:1	5000	NP2
MILA-1822N3537	1.8 – 2.2	35	7.0	37	1.0	25	2.0:1/ 2.0:1	3000	NP1
MILA-1822N4040	1.8 – 2.2	40	7.0	40	1.2	30	2.0:1/ 2.0:1	5000	NP2
MILA-2227N3537	2.2 – 2.7	35	7.0	37	1.2	20	2.0:1/ 2.0:1	3000	NP1
MILA-2227N4040	2.2 – 2.7	40	7.0	40	1.5	25	2.0:1/ 2.0:1	5000	NP2
MILA-3742N3536	3.7 – 4.2	35	7.0	36	1.0	30	1.5:1/ 1.5:1	3500	NP3
MILA-3742N4039	3.7 – 4.2	40	7.0	39	1.2	20	1.5:1/ 1.5:1	6000	NP3
MILA-3742N4542	3.7 – 4.2	45	7.0	42	1.5	25	1.5:1/ 1.5:1	9500	NP4
MILA-4450N3536	4.4 – 5.0	35	7.5	36	1.0	30	1.5:1/ 1.5:1	3500	NP3
MILA-4450N4039	4.4 – 5.0	40	7.5	39	1.2	20	1.5:1/ 1.5:1	6000	NP3
MILA-4450N4542	4.4 – 5.0	45	7.5	42	1.5	25	1.5:1/ 1.5:1	9500	NP4
MILA-5964N4036	5.9 – 6.4	40	8.0	36	1.2	30	1.5:1/ 1.5:1	3500	NP3
MILA-5964N4539	5.9 – 6.4	45	8.0	39	1.5	20	1.5:1/ 1.5:1	6500	NP3
MILA-5964N5042	5.9 – 6.4	50	8.0	42	1.0	25	1.5:1/ 1.5:1	10000	NP4
MILA-7177N3534	7.1 – 7.7	35	8.0	34	1.0	30	1.5:1/ 1.5:1	2500	NP5
MILA-7177N4037	7.1 – 7.7	40	8.0	37	1.2	20	1.5:1/ 1.5:1	4500	NP5
MILA-7177N4540	7.1 – 7.7	45	8.0	40	1.5	25	1.5:1/ 1.5:1	7000	NP6
MILA-7785N3534	7.7 – 8.5	35	8.5	34	1.0	30	1.5:1/ 1.5:1	2500	NP5
MILA-7785N4037	7.7 – 8.5	40	8.5	37	1.2	20	1.5:1/ 1.5:1	4500	NP5
MILA-7785N4540	7.7 – 8.5	45	8.5	40	1.5	25	1.5:1/ 1.5:1	7000	NP6
MILA-8595N3534	8.5 – 9.5	35	8.5	34	1.0	30	1.5:1/ 1.5:1	2500	NP5
MILA-8595N4037	8.5 – 9.5	40	8.5	37	1.2	20	1.5:1/ 1.5:1	4500	NP5
MILA-8595N4540	8.5 – 9.5	45	8.5	40	1.5	25	1.5:1/ 1.5:1	7000	NP6
MILA-95105N3533	9.5 – 10.5	35	9.0	33	1.0	30	1.5:1/ 1.5:1	2500	NP5
MILA-95105N4036	9.5 – 10.5	40	9.0	36	1.2	20	1.5:1/ 1.5:1	4500	NP5
MILA-95105N4539	9.5 – 10.5	45	9.0	39	1.5	25	1.5:1/ 1.5:1	7000	NP6
MILA-14145N3533	14.0 – 14.5	35	10.0	33	1.0	30	1.5:1/ 1.5:1	3000	NP7
MILA-14145N4036	14.0 – 14.5	40	10.0	36	1.2	20	1.5:1/ 1.5:1	5000	NP7
MILA-14145N4539	14.0 – 14.5	45	10.0	39	1.5	25	1.5:1/ 1.5:1	8500	NP8