

### FEATURES

- Wide Bandwidth
- Low Power Consumption
- Low Noise Figure
- Miniature Sizes for drop-In Assembly
- Hermetically Sealad Package for Military Application



### APPLICATIONS

- Microwave Radio & VSAT
- Military & Space
- Test Instrumentation
- Fiber Optics

### SPECIFICATIONS@25°C:

Part Number	Freq.Range (GHz)	Gain (dB.Min )	Gain Flatness (±dB.Typ)	Psat Output (Watt.Min)	Harmonics (dBc.Typ)	Spurious (dBc.Typ)	VSWR I/O (MAX)	Dimensions
MPH009001G7070REMC	9KHz-100MHz	70	2	10KW	-20	-50	2:1	0.6*0.85*1.7
MPH009001G7171REMC	9KHz-100MHz	71	2	12KW	-20	-50	2:1	0.6*0.85*1.7
MPH002001G6364REMC	0.01-250MHz	63	3	2.5KW	-15	-60	1.3/5	500*480*1800
MPH010008G6060REMC	0.08-1000MHz	60	5 Max	1KW	-15	-55	1.3/5	800*1200*1600
MPH001002G6058R	1-250MHz	60	1.5	700	-10	-60	2:1	6U
MPH000010G4547R	10KHz-1GHz	45	3 Max	50	-15	-60	2:1 Typ	2U
MPH008001G5859R	80-100MHz	58	6	800	-10	-60	-10dB	5U
MPH005002G5050R	0.02-0.52	50	3 Max	100	-20	-60	2:1	3U
MPH002010G4040R	0.02-1	40	2 Max	10	15	60	2:1	2U
MPH005005G4040R	0.05-0.5	40	2	10	-13 Min	-50 Min	2/2.5	2U
MPH005005G5353R	0.05-0.5	53	3	200	-13	-50	2/2.5	6U
MPH010008G5151R	0.08-1	51	2.5	125	-15	-60	2:1 Typ	3U
MPH001004G6565REMC	0.1-0.4	65	2	3KW	-20	-50	2:1	0.6*0.85*1.2
MPH001060G5050R	0.1-6	50	2	100	-15	-60	2:1 Typ	2U
MPH001060G5053R	0.1-6	50	2	200	-10	-60 Min	2:1 Typ	5U
MPH001016G5656R	0.1-0.5/0.6-1.6	56	6	410	-10	-60	-10dB	5U
MPH002008G6057R	0.25-0.8	60	1.5	500	-10	-60	2:1	6U
MPH005020G4040R	0.5-2	40	3	10	-18	-60	/	2U
MPH005020G4444R	0.5-2	44	2.5 Max	25	-15	-60	2:1 Typ	2U
MPH005020G5050R	0.5-2	50	2.5	100 P1dB	-15	-60	2:1 Typ	6U
MPH005020G5353R	0.5-2	53	3	200	-13 Min	-50 Min	2/2.5	4U
MPH005020G5554R	0.5-2	55	3	250	/	-60	/	4U
MPH005025G5047R	0.5-2.5	50	2	50	-15	-60	2:1 Typ	2U



# SOLID STATE HIGH POWER AMPLIFIER(RACK MOUNT)

Part Number	Freq.Range (GHz)	Gain (dB.Min )	Gain Flatness (±dB.Typ)	Psat Output (Watt.Min)	Harmonics (dBc.Typ)	Spurious (dBc.Typ)	VSWR I/O (MAX)	Dimensions
MPH005025G5050R	0.5-2.5	50	2 Max	100	-15	-60	2:1	3U
MPH005025G5053R	0.5-2.5	50	3	200	/	-60	/	4U
MPH005060G5454R	0.5-6	54	/	250	10	60	2:1	426*222*550
MPH005060P5655R	0.5-6	56	3 Max	350	-15	-60	2:1 Typ	4U
MPH006027G4753R	0.6-2.7	/	3 Max	200	/	-70	2.5:1	4U
MPH006030G5050R	0.69-3.2	50	2.5	110	-15	-60	2:1 Typ	2U
MPH007060G4646R	0.7-6	46±3	3	40	-65	/	2.5:1	4U
MPH007060G4548R	0.7-6	45	3.5	60	-15	-60	2:1 Typ	2U
MPH007060G5351R	0.7-6	53	2	125	-10	-65 Min	2:1	5U
MPH007060G6040R	0.7-6	60 Typ	5	10	-15	-60	2.3:1	2U
MPH008020G6057R	0.8-2	60	1.5	500	-10	-60	2:1	6U
MPH008060G5353REMC	0.8-6	53	3.5 Max	200	-10	-60 Min	2:1	5U
MPH010020G4545R	1-2	45	2	35	-20	/	2:1	2U
MPH010020G5047R	1-2	50	1.5	50	-15	-60	2:1	3U
MPH010020G5053R	1-2	50	3	200	/	-60	/	4U
MPH010025G5057R	1-2.5	50	2	500	-15	-60	2:1 Typ	4U
MPH010025G5554R	1-2.5	55	2.5	250	-15	-60	2:1 Typ	4U
MPH010025G6057R	1-2.5	60	3.5	500	-15	-60	2:1 Typ	5U
MPH010030G6059R	1-3	60	3.5	800	-15	-60	2:1 Typ	6U
MPH010060G4548R	1-6	45	3	70	-15	-60	2:1 Typ	2U
MPH010060G4848R	1-6	48	2	60	-15	-60	-10dB	2U
MPH010060G5050R	1-6	50	2.5	100	-15	-60	2:1 Typ	3U
MPH010060G5053R	1-6	50	6 Max	200	-15	-60	2:1 Typ	2U
MPH010060G5353R	1-6	53	3	200	-15	-60	-10dB	8U
MPH010060G5454R	1-6	/	3	250W	-15	-60	2:1 Typ	4U
MPH010060G5555R	1-6	55	3	300	-15	-60	-10dB	8U
MPH010060G5555REMC	1-6	55	2	300	-20	-50	2:1	8U
MPH010180G4043R	1-18	40	3	20	-15	-60	2:1 Typ	U
MPH010400G4037R	1-40	40	/	5	/	-60	/	3U
MPH011017G6768R	1.17-1.7	67	1	7000	-20	-60	2:1 Typ	6U
MPH011017G6061R	1.17-1.7	60	1	1200	-20	-60	2:1 Typ	4U
MPH011017G5758R	1.17-1.7	57	1	700	-20	-60	2:1 Typ	3U
MPH011017G5355R	1.1-1.7	53	1	300	-20	-60	2:1 Typ	2U

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MPH011017G4042R	1.1-1.7	40	1	15	-20	-60	2:1 Typ	2U
MPH011017G4748R	1.1-1.7	47	1	60	-20	-60	2:1 Typ	2U
MPH011017G5052R	1.1-1.7	50	1	150	-20	-60	2:1 Typ	2U
MPH016030G5353R	1.6-3	53	5	200	-15	-60	-10dB	5U
MPH020040G4543R	2-4	45	2.5	20	-15	-60	2:1 Typ	2U
MPH020040G4545R	2-4	45	1	30 P1dB	-15	-60	/	4U
MPH020040G4747R	2-4	47	1	50	-15	/	2:1	3U
MPH020040G5554R	2-4	55	3	250	/	/	2:1	3U
MPH020060G4040R	2-6	40	2	10	-13 Min	-50 Min	2/2.5	2U
MPH020060G4444R	2-6	44	2.5 Max	25	-15	-60	2:1 Typ	2U
MPH020060G4645R	2-6	46	3	35	-20	/	2:1	2U
MPH020060G4747R	2-6	/	3.5 Max	50	-10	-60	2:1 Typ	3U
MPH020060G5047R	2-6	50	2.5	50	-15	-60	2:1	3U
MPH020060G5050R	2-6	50	2.5 Max	100	-15	-60	2:1	3U
MPH020060G5053R	2-6	50	2.5	200	-10	-60	2:1	4U
MPH020060G5353R	2-6	53	3	200	-10 Min	-50 Min	2/2.5	4U
MPH020060G5454R	2-6	54	3	250	-15	-60	2:1 Typ	3U
MPH020060G5757R	2-6	57	4	500	-15	-60	2:1 Typ	4U
MPH020060G6057R	2-6	60	1.5	500	-10	-60	2:1	6U
MPH020065G5454R	2-6.5	54 Typ	3	250 Typ	-15	-60	2:1 Typ	6U
MPH020065G5858R	2-6.5	58	3.5 Max	600	-10	-60	-10dB	6U
MPH020080G4747R	2-8	47	3	50	-10	-15	2:1	3U
MPH020080G5050R	2-8	50	3	100	-10	-15	2:1	3U
MPH020080P5048R	2-8	50	3	100	-15	-60	2:1 Typ	2U
MPH020080G5053R	2-8	53	3	200	-15	-60	/	4U
MPH020080G5457R	2-8	54	3	500	-10	-60	/	6U
MPH020080G5554R	2-8	55	2.5	250	-15	-60	2:1 Typ	6U
MPH020080G5555R	2-8	55	3	300	-12	-60	-15dB	8U
MPH020080P6060R	2-8	60	3	1KW	-15	-60	2:1 Typ	3U
MPH020120G5053R	2-12	50	3	200	-10	-60	/	4U
MPH020180G4037R	2-18	40	3	5	-15	-60	1.5/2	2U
MPH020180G4041R	2-18	40	3	13	-15	-60	1.5/2	2U
MPH020180G4343R	2-18	43	5	20	-10	-60	2:1 Typ	2U
MPH020180G4650R	2-18	46	3	100	-10	-55	2:1 Typ	4U

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MPH020180G4747R	2-18	47	/	50	/	-60	2:1	3U
MPH020180G5050R	2-18	50	4	100	-10	-60	/	4U
MPH020180G5353R	2-18	53	4	200	-10	-60	/	8U
MPH021022G8053R	2.1-2.2	80	2	200	15	-60	2:1	3U
MPH025040G5554R	2.5-4	55	2.5	250	-15	-60	2:1 Typ	4U
MPH025060G5150R	2.5-6	51	2.5	100	-15	-60	2:1 Typ	2U
MPH027029P6070R	2.7-2.9	60	1 Max	10KW	/	-55	-10dB	TBD
MPH027029G7070R	2.7-2.9	70	7 Max	10KW	-35	-60	2:1 Typ	6U
MPH027034G4450R	2.7-3.4	45± 1	/	100	/	/	3:1	6U
MPH029033P6272R	2.9-3.3	62	1Max	15KW	/	-55	-10dB	TBD
MPH030035G5050R	3-3.5	50	1 Max	100	-15	-60	2:1 Typ	2U
MPH030180G4242R	3-18	42	5	15	-10	-60	2:1 Typ	2U
MPH030180G5352R	3-18	53	4	160	-15	-60	-10dB	5U
MPH031035P3861R	3.1-3.5	38	/	1.3KW	/	/	1.5:1	2U
MPH040080G4544R	4-8	45	2.5	25	-15	-60	2:1 Typ	2U
MPH040080G5554R	4-8	55	3	250	/	-60	/	4U
MPH040080P5554R	4-8	55	1.5	250	-15	-60	2:1 Typ	2U
MPH050053G5050R	5-5.3	50	1 Max	100	-20	-60	2:1 Typ	3U
MPH050180G4043R	5-18	40	2.5 Max	20	-15	-60	2:1	2U
MPH050180G4045R	5-18	40	2.5 Max	30	-15	-60	2:1	2U
MPH050180G5049R	5-18	50	2.5 Max	80	-15	-60	2:1	3U
MPH053059P4069R	5.3-5.9	40 Typ	/	8KW	-15	-60	1.2:1	6U
MPH054057G2544R	5.4-5.7	25	1.5	25 P1dB	/	-50	10:1	2U
MPH054059P4457R	5.4-5.9	44	/	500	-15	-60	3:1	3U
MPH058064G5553R	5.8-6.4	55	3	200W P1dB	-50 Max	-60 Max	1.3:1	4U
MPH060100G5047R	6-10	50	2.5	50	-15	-60	2:1	3U
MPH060100P5557R	6-10	55	1	500	-15	-70	2:1 Typ	2U
MPH060120G4747R	6-12	47	2	50	-15	-60	2:1 Typ	2U
MPH060120G5049R	6-12	50	2 Max	80	-10	-55	2:1	3U
MPH060150G4547R	6-15	45	2.5	50	-15	-60	1.5/2 Typ	2U
MPH060180G3333R	6-18	33	3	2	-20	/	2:1	2U
MPH060180G4040R	6-18	40	3	10	-10 Min	-50 Min	2/2.5	2U
MPH060180G4343R	6-18	43	4	20 Typ	-10	-60	2:1 Typ	2U
MPH060180G4544R	6-18	45	2.5	25	-15	-60	1.5/2 Typ	2U
MPH060180G5045R	6-18	50	3 Max	30 Typ	-15	-60	2:1	2U



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MPH060180G4551R	6-18	45	3	130	-10	-60 Min	2:1 Typ	5U
MPH060180G5047R	6-18	50	1.5	50	-10	-60	2:1	3U
MPH060180G5049R	6-18	50	2.5	80	-15	-60	2:1 Typ	3U
MPH060180G5050REMC	6-18	50	3.5 Max	100	-10	-60 Min	2:1	5U
MPH060180G5050R	6-18	50	1.5	100	-10	-60	2:1	3U
MPH060180G5253R	6-18	52	3	200	-3 Min	-50 Min	2/2.5	5U
MPH060180G5353R	6-18	53	1.5	200	-10	-60	2:1	3U
MPH060180G6053R	6-18	60-65	2.5 Max	200	10	60 Min	1.8:1	5U
MPH060180G6055R	6-18	60	1.5	300	-10	-60	2:1	6U
MPH060180G6057R	6-18	60	1.5	500	-10	-60	2:1	6U
MPH065180G5454R	6.5-18	54	1.5	250 P1dB	-10	-60	2:1	6U
MPH067070G6056R	6.725-7.025	60	/	400	-60	-60	1.3:1	5U
MPH069069G4063R	6.95-6.99	40	/	2KW	-15	-60	1.2:1	6U
MPH077083P4070R	7.7-8.3	40	/	10KW	-15	-60	1.2:1	6U
MPH080105G5050R	8-10.5	50	2 Max	100	-15	-20	2:1 Typ	3U
MPH080120G4747R	8-12	47	3 Max	50	-15	-60	2:1 Typ	3U
MPH080120G5050R	8-12	50	3 Max	100	-15	-60	2:1 Typ	3U
MPH080120G5053R	8-12	50	3 Max	200	-15	-60	2:1 Typ	4U
MPH080120G5457R	8-12	54	3	500	-15	-60	/	6U
MPH080180G4343R	8-18	43	2	20	-15	-60	2:1(Typ.)	2U
MPH080180G4544R	8-18	45	2.5	25	-15	-60	2:1(typ)	2U
MPH080180G5053R	8-18	50	3	200	-15	-60	/	6U
MPH080180G5457R	8-18	54	3	500	-15	-60	/	6U
MPH080180G5754R	8-18	57	3.5	250	-15	-60	2:1 Typ	6U
MPH080180G5555R	8-18	55	4	300	-12	-60	-15dB	10U
MPH080180P5650R	8-18	56	3	400W	-15	-60	2:1 Typ	4U
MPH080180P5655R	8-18	56	3	400	-15	-60	2:1 Typ	4U
MPH080180G5655R	8-18	56	2.5	320	-15	-60	2:1 Typ	6U
MPH080180P6060R	8-18	60	3	1KW	-15	-60	2:1	5U
MPH083083G6067R	8.3G±20MHz	60	/	5KW	/	-60	/	1.8M*2
MPH085095P5559R	8.5-9.5	55	1	800	-15	-60	1.5:1 Typ	3U
MPH085105G5559R	8.5-10.5	55	1	800	-15	-60	2:1 Typ	6U
MPH090095P7069R	9-9.5	70	2	8KW	-15	-60	2:1 Typ	6U
MPH090100P6060R	9-10	60	/	1KW	/	-60	2:1 Typ	2U

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MPH092094P4363R	9.2-9.4	43	0.3 Max	2KW	-30	-60	-15dB	8U
MPH092100P6069R	9.2-10	60	1	8KW	-15	-60	1.2/2	6U
MPH095105G5053R	9.5-10.5	50	2 Max	200	-15	-60	2:1	4U
MPH095105G5557R	9.5-10.5	55	2 Max	500	-15	-60	2:1	6U
MPH100120G5047R	10-12	50	1.5	50	-15	-60	2:1	3U
MPH105127G5557R	10.5-12.7	55	2.5	500	-15	-60	2:1 Typ	6U
MPH120160G5052R	12-16	50	2	150 Typ	-15	-60	2:1 Typ	4U
MPH120180G4747R	12-18	47	2	50	-15	-60	2:1 Typ	2U
MPH120180P5555R	12-18	55	1.5	300	-15	-60	1.5/2 Typ	2U
MPH127132G6057R	12.75-13.25	60	/	500	-60	-60	1.4:1 Typ	6U
MPH127132G5959R	12.75-13.25	59 Typ	3 Typ	800 Typ	70 Min	60 Min	1.5:1	6U
MPH127145G5959R	12.75-14.5	59 Typ	3 Typ	800 Typ	70 Min	60 Min	1.5:1	6U
MPH137145G5959R	13.75-14.5	59 Typ	3 Typ	800 Typ	70 Min	60 Min	1.5:1	6U
MPH138145G6060R	13.85-14.5	60	2	1000	/	-60	-15dB	10U
MPH154176P5555R	15.4-17.6	55	0.5	300	-15	-60	1.5/2 Typ	2U
MPH159164P4949R	15.9-16.4	49	/	80(Psat)	/	/	/	3U
MPH180240P5756R	18-24	18-24	/	10	/	/	2:1	2U
MPH180260G4040R	18-26	40	/	400 Peak	-12	-50	2.5:1	5U
MPH180260G4046R	18-26	40	/	40	/	/	2:1	2U
MPH180260G4547R	18-26	45	/	50	/	/	2:1	3U
MPH180260G5050R	18-26	50	/	100	/	/	2:1	3U
MPH180265G3940R	18-26.5	39	3	10	-10 Min	-50 Min	2/2.5	3U
MPH180265G4040R	18-26.5	40	3 Max	10	-20	-60	2:1	3U
MPH180265G4242R	16-26.5	42 Typ	3	15 Typ	-10	-60	2:1 Typ	2U
MPH180265G4343R	18-26.5	43	3 Max	20	/	/	2:1	2U
MPH180265G4547R	18-26.5	45	5	50	-15	-60	2:1	2U
MPH180265G4646R	18-26.5	46	3	40	-20	-60	2:1	2U
MPH180265G4848R	18-26.5	48	1.5	60	-15	-60	2:1	3U
MPH180265G5050R	18-26.5	50	4	100	-20 Min	-50 Min	2/2.5	4U
MPH180265G5150R	18-26.5	51	4	100 P1dB	-15	-60	2:1	6U
MPH180265G5353R	18-26.5	53	3	200	-20	-60	2:1	6U
MPH180265G5554R	18-26.5	55	2	250	-15	-60	2:1 Typ	6U
MPH180265G5757R	18-26.5	57	/	500	-10	-60	2:1 Typ	12U



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MPH180400G3333R	18-40	33	5 Max	2	/	/	2.5:1	2U
MPH180400G3337R	18-40	33	5 Max	5 Typ	/	/	2.5:1	2U
MPH180400G4040R	18-40	40	3	10	-15	-60	2:1 Typ	2U
MPH180400G4646R	18-40	46	3 Max	40	20 Min	60 Min	2.5:1	3U
MPH180400G4848R	18-40	48	5	60	-10	-60	/	4U
MPH239241G5050R	23.9-24.1	50	/	100	/	-60	2:1	3U
MPH240320G4538R	24-32	45	3 Max	6	-25	/	2:1	2U
MPH250270G4040R	25-27	40	0.8	10	-15	-20	2:1	2U
MPH260270G4547R	26-27	45	1	55	-15	-60	2:1 Typ	2U
MPH260400G4040R	26-40	40	/	10	/	/	2:1	2U
MPH260400G4547R	26-40	45	3.5	50	-15	-60	2:1	3U
MPH260400G5050R	26-40	50	/	100	/	/	2:1	3U
MPH260400G5151R	26-40	51	3.5	130 P1dB	-15	-60	2:1 Typ	6U
MPH265290G4242R	26.5-29	42 Typ	3	15 Typ	-15	-60	2:1 Typ	2U
MPH265400G3737R	26.5-40	37	3 Max	5	/	/	2:1	2U
MPH265400G3837R	26.5-40	38	3	5W	-20	/	2:1	2U
MPH265400G3940R	26.5-40	39	3	10	-10 Min	-50 Min	2/2.5	3U
MPH265400G4040R	26.5-40	40	3 Max	10	/	/	2:1	3U
MPH265400G4340R	26.5-40	43	5	10 P1dB	-15	-60	2:1	3U
MPH265400G4343R	26.5-40	43	3 Max	20	/	/	2:1	3U
MPH265400G4547R	26.5-40	45	5 Max	50	/	-60	2:1	4U
MPH265400G4646R	26.5-40	46	2	40	-15	-60	2:1	4U
MPH265400G4740R	26.5-40	47	4 Max	10	-10	55 Min	2:1	2U
MPH265400G4640R	26.5-40	46	3 Max	10 P1dB	/	55 Min	2:1	3U
MPH265400G4743R	26.5-40	47	4 Max	20	-10	55 Min	2:1	2U
MPH265400G4950R	26.5-40	49	4	100	-20	-50	2/2.5	6U
MPH265400G5050R	26.5-40	50-60	/	100	-10	-60	2:1	6U
MPH265400G5151R	26.5-40	51	3.5	120	-15	-60	2:1 Typ	6U
MPH265400G5554R	26.5-40	55	3.5	250	-15	-60	2:1 Typ	6U
MPH265400P5554R	26.5-40	55	3.5	250	-15	-60	2:1 Typ	2U
MPH265400G5757R	26.5-40	57	/	500	-10	-60	2:1 Typ	12U
MPH300400P5052R	30-40	50	3	200	-15	-60	2:1 Typ	3U
MPH300400P6060R	30-40	60	3	1KW	-15	-60	2:1	5U

# MEURO SOLID STATE HIGH POWER AMPLIFIER(RACK MOUNT)

Part Number	Freq.Range (GHz)	Gain (dB.Min )	Gain Flatness (±dB.Typ)	Psat Output (Watt.Min)	Harmonics (dBc.Typ)	Spurious (dBc.Typ)	VSWR I/O (MAX)	Dimensions
MPH310400G4038R	31-40	40	3 Max	6	-25	/	2:1	2U
MPH320400G4040R	32-40	40	3	10	-10	-55	2:1	3U
MPH320400G4043R	32-40	40	3	20	-10	-55	2:1	3U
MPH330370G5353R	33-37	/	1.5 Max	200	/	-50	2:1	420*350*210
MPH320380P5756R	32-38	57-68	/	499 Peak	-12	-50	2.5:1	5U
MPH330380G4050R	33-38	40	/	100	/	-50	2:1	300*390*100
MPH330400G4543R	33-40	45	4	20	-15	-60	2:1 Typ	2U
MPH340380P5655R	34-38	56	3	400	-15	-60	2:1 Typ	4U
MPH350360P4044R	35-36	40	0.5	25	-15	-60	1.5:1 Typ	2U
MPH375404G4548R	37.5-40.4	45	/	60	/	60	1.5/1.8 Typ	2U
MPH380405G4041R	38-40.5	40	1.5 Max	13	-15	-60	2:1	2U
MPH400520G3031R	40-52	30	2.5	1	-20	-60	2:1 Typ	2U
MPH420460G4040R	42-46	40	1	10	-15	-60	2:1 Typ	2U
MPH425455G4949R	42.5-45.5	49	3	80	/	-60	1.5/2	6U
MPH425455G5054R	42.5-45.5	50	/	250	/	/	1.5/2	4U
MPH430435G6550R	43-43.5	65	/	100	/	/	1.3/1.8	2U
MPH920940P5053R	92-94	50	3	200	-15	-60	2:1 Typ	3U
MPH940960P5048R	94-96	50	3	100	-15	-60	2:1 Typ	2U