



WiMAX Amplifiers

Features:

- Operates in all WiMAX / WLAN frequency ranges 2.5, 3.5, and 5.5GHz
- Pave @ 2% EVM up to +29.5 dBm @ 3.5 GHz
- P-1dB options; +36.5dBm, +33dBm, and +30dBm
- Two gain configurations; Single and dual stage
- Ideally suited for power amplification of WiMAX / WLAN base stations, or access points
- Input and Output matched to 50 ohms
- Available in RoHS Compliant Low Cost QFN packages



Part Number	Freq (MHz)	Linear Gain Typ/Min (dB)	Gain Flat Typ/Max (±dB)	PI dB Typ (dBm)	Pout@ 2.0%E VM Typ (dBm)	Pout@ -3dB Typ/Max (dBm)	Pout@ 2.5%E VM Typ (dBm)	Input/ Output RL Typ (dB)	VSWR In/Out Typ (dB)	IP3 Typ (dBm)	DC Current Typ/Max (mA)	Vdd	Status
<u>MGA-242740-02</u>	2400-2700	15.0/12.0 or 14.0/12.0	1.0/1.5	-	-	40	33	6/6	-	-	50/400	28	Active Part
<u>WPS-242717-02</u>	2450-2700	13	0.30/0.60	28.5	22.0	2.5		-	1.5	45	330	7.5	Active Part
<u>WPS-242717-82</u>	2450-2700	13	0.30/0.60	28.5	22.0	2.5		-	1.5	45	330	7.5	Active Part
<u>WPS-252717-82</u>	2500-2700	13	0.30/0.60	28.5	22.0	2.5		-	1.5	45	300	7.5	Active Part
<u>WPS-252724-99</u>	2500-2700	14	0.30/0.60	36.0	29.0	2.5		-	1.5	50	1200	8.5	Active Part
<u>WPS-252724-02</u>	2500-2700	14	0.30/0.60	36.0	29.0	2.5		-	1.5	50	1200	8.5	Active Part
<u>WPS-303322-02</u>	3000-3300	13	0.30/0.60	32.0	26.0	2.5		-	1.5	47	600	8.0	
<u>MGA-333840-02</u>	3300-3800	12.0/10.0 or 15.0/12.0	1.0/1.5	-	-	40	33	6/6	-	-	100/400	28	Active Part
<u>WPS-343617-82</u>	3400-3600	13	0.30/0.60	29.0	22.0	2.5		-	1.5	48	380-450	7.5	
<u>WPS-343717-82</u>	3400-3700	13	0.30/0.60	29.0	22.0	2.5		-	1.5	45	380-450	7.5	
<u>WPS-343722-02</u>	3400-3700	13	0.30/0.60	32.0	26.0	2.5		-	1.5	47	600	8	Active Part
<u>WPS-343724-99</u>	3400-3700	14	0.30/0.60	36.0	29.0	2.5		-	1.5	50	1200	8	Active Part
<u>WPS-343724-02</u>	3400-	14	0.30/0	36.0	29.0	2.5		-	1.5	50	1200	8	Active

	3700		.60										Part
<u>WPS-363817-82</u>	3600-3800	13	0.30/0.60	29.0	22.0	2.5		-	1.5	48	380-450	7.5	
<u>WPS-444922-02</u>	4400-4900	11	0.30/0.60	32.0	26.0	2.5		-	1.5	47	600	7.5	
<u>MGA-444940-02</u>	4400-4900	12.0/10.0	1.0/1.5	-	-	40	33	8/10	-	-	100/400	28	Active Part
<u>WPS-445122-02</u>	4400-5100	11	0.30/0.60	32.0	26.0	2.5		-	1.5	47	600	7.5	
<u>WPS-445133H-02</u>	4400-5100	32	1.5	33.0	-	-		-	-	-	870	8	Active Part
<u>WPS-445124-02</u>	4400-5100	10/9	-	36.0	29.0	3		-	2.45	50	1200	8.5	Active/ New Product
<u>MGA-445343-99</u>	4400-5300	14.0/12.0	1.0/1.5	-	-	43	35	7/4	-	-	150/300	28	Active Part
<u>WPS-495122-02</u>	4900-5100	11	0.30/0.60	32.0	26.0	2.5		-	1.5	47	600	7.5	
<u>WPS-495922-02</u>	4900-5900	11	0.30/0.60	32.0	26.0	2.5		-	1.5	47	600	7.5	Active Part
<u>WPS-495917-02</u>	4900-5900	13	0.30/0.60	28.5	22.0	2.5		-	1.5	44	300	7.5	Active Part
<u>MGA-495940-02</u>	4900-5900	12.0/10.0	1.0/1.5	-	-	40	33	8/8	-	-	100/400	28	Active Part
<u>WPS-545922-02</u>	5400-5900	11	0.30/0.60	232.0	26.0	2.5		-	1.5	47	600	7.5	

GD Rectifiers Ltd. Bentley House, 2 William Way, Burgess Hill, West Sussex RH15 9AG.

Tel: 01444 243452 Fax: 01444 870722

Email: enquiries@gdirectifiers.co.uk Website: www.gdirectifiers.co.uk