

High Isolation 0.5 to 5.9 GHz

All specifications at 25°C

Model No.	Freq. (GHz) f _L f _U	DC Volts (V)	Gain, dB Typical							Maximum Power Output (dBm) Output (1 dB Comp.) Typ.		Dynamic Range			VSWR (:1) Typ.		Active* Directivity (dB) Typ.		DC Operating Current @V+ (mA) Typ. Max.		Case Style Note B
			over frequency, GHz							Min. at 2 GHz	f _L	f _U	NF (dB) Typ.	IP3 (dBm) Typ.		In	Out	Typ.	Typ.	Max.	
			0.5	1.0	1.5	2.0	2.5	5.0	at 1 GHz					at 1 GHz	at 2 GHz						
ZX60-2510M	0.5-2.5	5.0	10.3	12.7	12.9	12.5	12.1	10.4	17.1	5.1	5.4	28.8	26.5	1.5	1.6	20	69	95	GC957		
			2.8	9.1	11.2	11.2	10.7	10.3	—	13.7	13.0	5.4	24.9	23.4	1.5	1.6	20	63		—	
ZX60-2514M	0.5-2.5	5.0	14.1	16.5	16.4	15.7	14.1	14.0	18.3	16.2	4.8	30.3	27.8	1.5	1.7	20	75	90	GC957		
			2.8	12.9	14.9	14.8	14.3	13.0	—	14.3	14.2	4.9	26.0	24.9	1.5	1.7	20	67		—	
ZX60-2522M	0.5-2.5	5.0	18.7	22.5	23.5	23.3	21.7	21.5	18.0	15.8	3.0	30.6	28.8	1.5	1.7	17	86	95	GC957		
			2.8	17.2	20.2	20.6	20.6	20.0	—	14.4	14.2	3.0	25.7	25.6	1.4	1.8	20	80		—	
ZX60-2531M	0.5-2.5	5.0	30.3	38.0	37.4	35.5	32.8	31.0	18.2	16.1	3.5	28.4	26.1	1.3	1.6	30	102	130	GA955		
ZX60-2534M	0.5-2.5	5.0	31.7	39.4	39.4	38.4	35.9	34.0	18.0	15.9	3.1	30.0	27.8	1.3	1.5	25	153	185	GA955		
			2.8	28.9	35.2	34.9	34.6	32.8	31.0	13.8	14.0	3.1	25.4	24.6	1.3	1.8	23	141		185	
ZX60-5916M	1.5-5.9	5.0	over frequency, GHz																GC957		
			1.5	2.0	3.5	5.0	5.9			2 GHz	2 GHz	5.9GHz									
			5.0	17.0	17.7	17.2	18.0	13.8	15.5	14.5	15.7	6.4	28.3	28.9	2.2	1.2	20	73		96	
		2.8	13.6	14.6	14.7	16.5	11.5	—	11.5	12.8	7.0	23.5	23.5	2.5	1.4	25	66	—			

*active directivity=isolation-gain

Applications:

- buffer amplifier
- LO amplifier for mixers
- cellular
- PCN
- instrumentation

Features:

- from 2.8V to 5V operation
- wide bandwidth, 0.5 to 2.5 GHz and 1.5 to 5.9 GHz
- high active directivity*, 20 dB typ.
- output power, up to +19.2 dBm typ.
- patent pending

Absolute Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
dc voltage:	7V
input power (no damage)	10dBm
dc power: (all models)	500mW
except: ZX60-2531M	700mW
ZX60-2534M	1W



ZX60-M (GC957)



ZX60-M (GA955)

Low Noise 0.02 to 8 GHz

Model No.	Freq. (GHz) f _L f _U	DC Volts (V)	Gain, dB Typical										Maximum Power Output (dBm) Output (1 dB Comp.) Typ.		Dynamic Range		VSWR (:1) Typ.				Active* Directivity (dB) Typ.		DC Operating Current @V+ (mA) Typ. Max.		Case Style Note B	
			over frequency, GHz										Min. at 2 GHz	f _L	f _U	NF (dB) Typ.	IP3 (dBm) Typ.	f-3 GHz	3-f GHz	f-3 GHz	3-f GHz	Typ.	Typ.	Typ.		Max.
			0.1	1.0	2.0	3.0	4.0	5.0	6.0	8.0																
ZX60-3018G	0.02-3	12.0	22.8	21.9	20.3	8.8	—	—	—	—	18.0	12.8	10.2	2.7	25.0	1.3	—	1.4	—	2-6	34	35	GC957			
ZX60-4016E	0.02-4	12.0	20.1	19.5	18.2	16.5	14.9	—	—	—	15.7	17.4	14.5	3.9	30.0	1.25	1.3	1.3	1.2	3-6	64	75	GC957			
ZX60-6013E	0.02-6	12.0	16.2	15.9	15.2	14.3	13.4	12.7	12.1	—	13.0	13.4	5.8	3.3	28.7	1.4	1.6	1.2	1.2	3-9	39	50	GC957			
ZX60-8008E	0.02-8	12.0	11.5	11.1	10.4	9.9	9.0	9.0	8.8	7.0	8.4	10.8	6.6	4.1	24	1.3	1.5	1.6	1.9	6-11	39	50	GC957			

Absolute Maximum Ratings

Operating temperature:	-45°C to 85°C
storage temperature:	-55°C to 100°C
dc voltage:	12.5V
input power (no damage)	13dBm
ZX60-6013E & ZX60-8008E	15 dBm
dc power:	
ZX60-3018G	0.7W
ZX60-4016E	950mW
ZX60-6013E & ZX60-8008E	650mW