

PRODUCT RELEASE



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RFMW Introduces 600-Micron Discrete FET from TriQuint Semiconductor

5/10/2013 – San Jose, California: RFMW, Ltd. announces design and sales support for a discrete, 600-Micron, GaAs pHEMT FET. The [TGF2060](#) from TriQuint Semiconductor is constructed without via holes thereby allowing for self-biasing and eliminating the need for a negative supply voltage. Available in a 0.41 x 0.34 x 0.10mm chip suitable for eutectic die attach, the [TGF2060](#) was designed using TriQuint’s proven 0.25um pHEMT process which optimizes power and efficiency at high drain bias operating conditions. The TriQuint [TGF2060](#) provides 28dBm P1dB with 12dB associated gain and power added efficiency (PAE) of 55%. A silicon nitride, protective overcoat layer provides a level of environmental robustness and scratch protection. Applications include military, hi-rel defense and aerospace, test and measurement and commercial, broadband amplifiers where high efficiency and linearity are required. The [TGF2060](#) is part of a family of high-efficiency pHEMT power FETs providing a broad selection of output powers.

Part	12 GHz				DC						Gate	Die Size
	Vds = 8V, Ids = 50% Idss			Vds = 2V	Idss	Gm	Vp	BVgd	BVgs	Rth		
	P1dB	G1dB	PAE	NF								
TGF2018	22	14	55	1	58	70	-1.0	-15	-15	88	0.25x180	410x340
TGF2025	24	14	58	0.9	81	97	-1.0	-15	-15	62.5	0.25x250	410x340
TGF2040	26	13	55	1.1	129	155	-1.0	-15	-15	60	0.25x400	410x340
TGF2060	28	12	55	1.4	194	232	-1.0	-15	-15	54	0.25x600	410x340
TGF2080 *	30	11.5	60	–	259	310	-1.0	-15	-15	45	0.25x800	410x540
TGF2120 *	32	11	60	–	388	464	-1.0	-15	-15	38	0.25x1200	410x540
TGF2160 *	33	10.5	63	–	517	619	-1.0	-15	-15	32	0.25x1600	410x540

*Coming Soon

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Samples are available for qualified requirements through RFMW, Ltd. at 1-877-FOR RFMW (367-7369) within North America; or please find your local sales engineer (worldwide) at the [contact page](#) on the [RFMW web site](#).

About RFMW

RFMW Ltd. is a specialty electronics distribution company focused exclusively on serving customers that require RF and microwave components and semiconductors, as well as component engineering support. The company continues to expand its list of products from selective suppliers with RF/microwave expertise. RFMW deploys a highly experienced, technically skilled team to assist customers with component selection and fulfillment.

To learn more about RFMW, visit their Website at www.rfmw.com, or call us at 1.877.FOR.RFMW (367-7369), or via e-mail at info@rfmw.com.

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