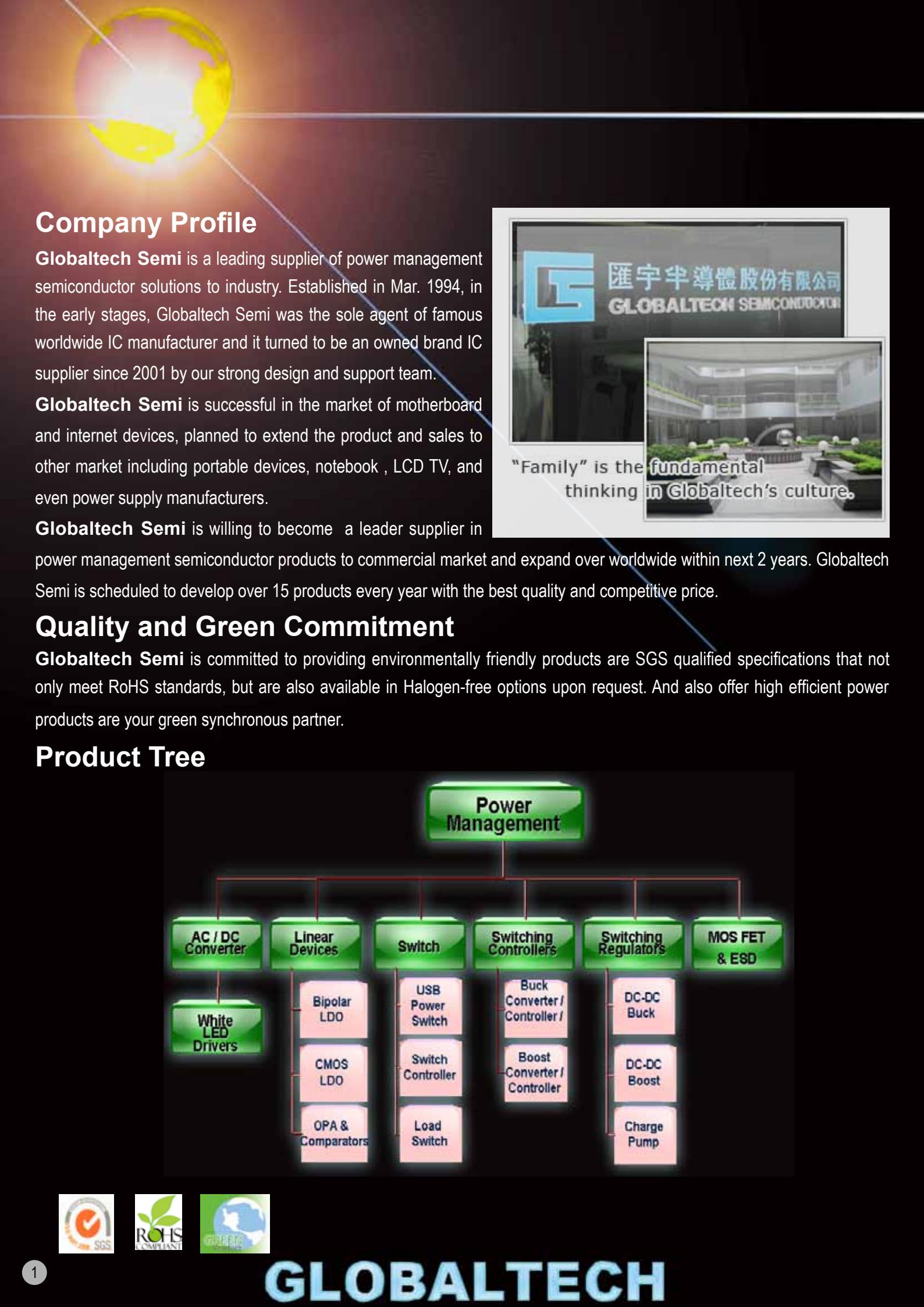


GS PRODUCT GUIDE



GLOBALTECH SEMICONDUCTOR





Company Profile

Globaltech Semi is a leading supplier of power management semiconductor solutions to industry. Established in Mar. 1994, in the early stages, Globaltech Semi was the sole agent of famous worldwide IC manufacturer and it turned to be an owned brand IC supplier since 2001 by our strong design and support team.

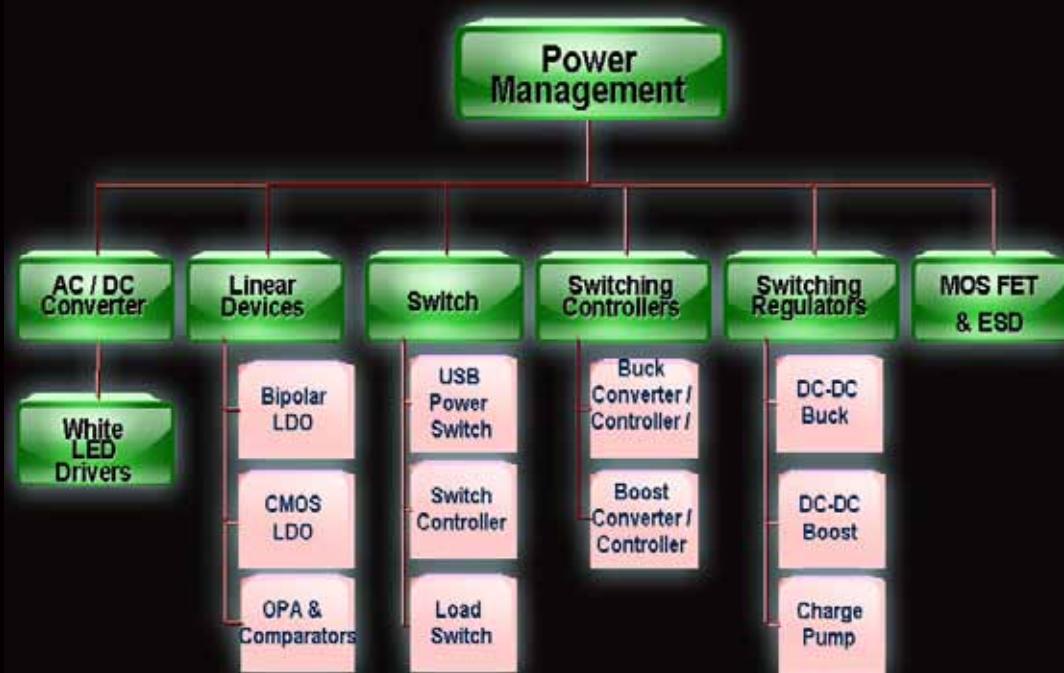
Globaltech Semi is successful in the market of motherboard and internet devices, planned to extend the product and sales to other market including portable devices, notebook , LCD TV, and even power supply manufacturers.

Globaltech Semi is willing to become a leader supplier in power management semiconductor products to commercial market and expand over worldwide within next 2 years. Globaltech Semi is scheduled to develop over 15 products every year with the best quality and competitive price.

Quality and Green Commitment

Globaltech Semi is committed to providing environmentally friendly products are SGS qualified specifications that not only meet RoHS standards, but are also available in Halogen-free options upon request. And also offer high efficient power products are your green synchronous partner.

Product Tree



GLOBALTECH



AC / DC CONVERTERS

PWM Series

GS P/N	Supply Voltage	Output Power	Switching Mode	Fosc	Switch Current	Package Type
GS8201*	18V	12W	PWM	66KHz	800mA	PDIP-8L
GS8202*	18V	8W	PWM	66KHz	300mA	PDIP-8L
GS8203*	18V	8W	PWM	60KHz	800mA	PDIP-8L

DC / DC SWITCHING REGULATORS

Bipolar / Asynchronous / Buck Series

GS P/N	Supply Voltage	Output Current	Output Voltage	Switching Mode	Fosc	Supply Current	Efficiency	Enable	Soft Start	Package Type
GS2576	35V	3A	Adj (Vref = 1.25V) Fixed (1.8V , 2.5V , 3.3V , 5V)	PWM	52KHz	5mA	75%	Y	N	TO-252-5L , TO-263-5L
GS5256	35V	3A	Adj (Vref = 1.25V) Fixed (1.8V , 2.5V , 3.3V , 5V)	PWM	150KHz	5mA	75%	Y	N	TO-263-5L , TO-220-5L

DC-DC / Asynchronous / Buck Series

GS P/N	Supply Voltage	Output Current	Output Voltage	Switching Mode	Fosc	Supply Current	Efficiency	Enable	Soft Start	Package Type
GS5159*	24V	1.5A	Adj (Vref=0.8V)	PWM	1.4MHz	1mA	92%	Y	Y	SOT-23-6L , TSOT-23-6L
GS5113	23V	3A	Adj (Vref = 0.8V)	PWM	300KHz	2mA	86%	Y	Y	SOP-8L
GS5143*	23V	4A	Adj (Vref = 0.8V)	PWM	300KHz	2mA	87%	Y	Y	SOP-8L
GS5153*	23V	5A	Adj (Vref = 0.8V)	PWM	300KHz	2mA	87%	Y	Y	SOP-8L
GS5163*	23V	6A	Adj (Vref = 0.8V)	PWM	300KHz	2mA	87%	Y	Y	DIP-8L
GS5114	40V	2A	Adj (Vref = 0.8V)	PWM	150KHz	2mA	87%	Y	Y	SOP-8L
GS5115	40V	3.5A	Adj (Vref = 0.8V)	PWM	150KHz	2mA	87%	Y	Y	SOP-8L

DC-DC / Synchronous / Buck

GS P/N	Supply Voltage	Output Current	Output Voltage	Switching Mode	Fosc	Supply Current	Efficiency	Enable	Soft Start	Package Type
GS5482	24V	2A	Adj (Vref = 0.925V)	PWM	340KHz	1.1mA	92%	Y	Y	SOP-8L , PSOP-8L
GS5484	24V	3A	Adj (Vref = 0.925V)	PWM	340KHz	1.1mA	92%	Y	Y	SOP-8L , PSOP-8L

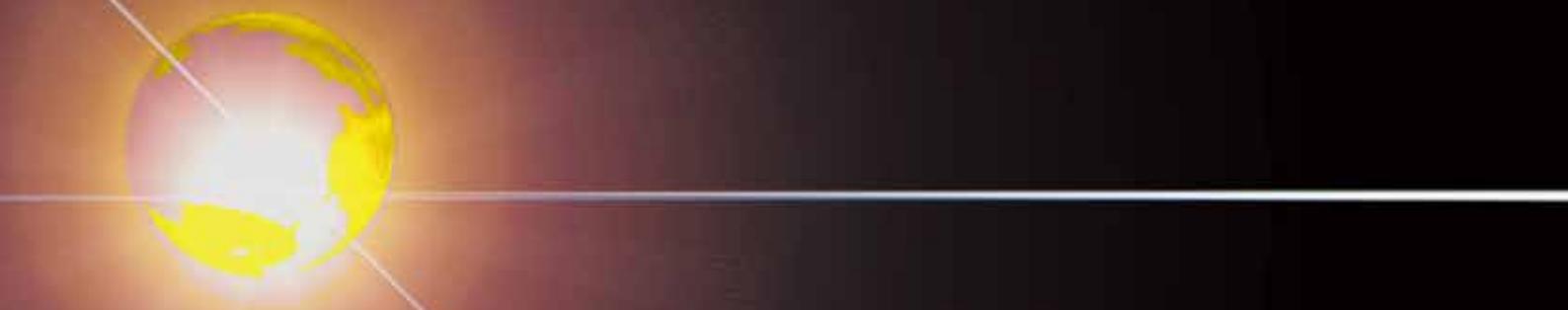
DC-DC / Synchronous / Buck / High Frequency Series

GS P/N	Supply Voltage	Output Current	Output Voltage	Switching Mode	Fosc	Supply Current	Efficiency	Enable	Soft Start	Package Type
GS5571	5.5V	600mA	Adj (Vref = 0.6V)	PWM	1.5MHz	270uA	96%	Y	Y	SOT-25
GS5578	5.5V	800mA	Adj (Vref = 0.6V)	PWM	1.5MHz	40uA	93%	Y	Y	SOT-25
GS5581	5.5V	1A	Adj (Vref = 0.6V)	PWM	1.5MHz	40uA	98%	Y	Y	SOT-25 , DFN2x2-6L
GS5583	5.5V	3A	Adj (Vref = 0.6V)	PWM	1.5MHz	42uA	95%	Y	Y	PSOP-8L , QFN3x3-16L
GS5584	5.5V	4A	Adj (Vref = 0.6V)	PWM	1.25MHz	550uA	95%	Y	Y	DFN3x3-10L
GS5586	5.5V	1A/1A	Adj (Vref = 0.6V)	PWM	2.0MHz	37uA	98%	Y	Y	DFN3x3-12L

DC-DC / Boost Series

GS P/N	Supply Voltage	Output Current	Output Voltage	Switching Mode	Fosc	Supply Current	Efficiency	Enable	Soft Start	Package Type
GS5842	0.9V~6.0V	600mA(SW)	Fixed (2.7V,3.0V, 3.3V, 5V)	PFM	105KHz	42uA	88%	N	N	SOT-89 , TO-92

*Under Development



SWITCHING CONTROLLERS

Synchronous / Single CH / Single Phase / Buck Controller Series

GS P/N	Supply Voltage	Switch Current	Vout (Vref)	Switching Mode	Fosc	Supply Current	Enable	U.V.L.O.	Package Type
GC31100*	28V	4A	0.75V	Selective	200KHz ~ 600KHz	1250uA	Y	Y	WQFN
GC31101*	28V	4A	0.75V	Selective	200KHz ~ 600KHz	1250uA	Y	Y	WQFN

Synchronous / Dual CH / Single Phase / Buck Controller Series

GS P/N	Supply Voltage	Switch Current	Vout (Vref)	Switching Mode	Fosc	Supply Current	Enable	U.V.L.O.	Package Type
GC32120*	28V	4A / CH	3.3V / 5V	Selective	200KHz~ 600KHz	1mA	Y	Y	WQFN

Bipolar / Asynchronous / SMPS Controller Series

GS P/N	Supply Voltage	Switch Current	Vout (Vref)	Switching Mode	Fosc	Supply Current	Enable	U.V.L.O.	Package Type
GS34063	40V	1.5A	1.25V	PWM	10Khz~100Khz	4mA	N	N	SOIC-8L , PDIP-8L

Bipolar / Asynchronous / High Frequency SMPS Controller Series

GS P/N	Supply Voltage	Switch Current	Vout (Vref)	Switching Mode	Fosc	Supply Current	Enable	U.V.L.O.	Package Type
GS3800	15V	40mA	0.5V	PWM	10Khz~ 1MHz	10mA	Y	Y	SOIC-8L

USB Power Switch / Power Multiplexer for USB High

GS P/N	Supply Voltage	Switch Current	RDS(ON)	CH	Quiescent Current	Vout Rising	Enable	U.V.L.O.	Package Type
GS9922*	0.3V~6V	-	-	Multi	-	-	High	4.2V	SOT-23-8L
GS9921	2.7V~5.5V	200mA / 1.0A	80mΩ / 200mΩ	Multi	50uA	1.3ms	High	4.3V	MSOP-8L, WDFN3x3-8L SOT-23-8L
GS9121	2.7V~5.5V	0.6A / 1.2A / 1.7A / 2.3A	90mΩ	Single	25uA	0.8ms	High	1.8V(Min)	MSOP-8L, WDFN3x3-8L SOT-23-5L
GS9111	2.7V~5.5V	0.6A / 1.2A / 1.7A / 2.3A	90mΩ	Single	25uA	0.8ms	Low	1.8V(Min)	MSOP-8L, WDFN3x3-8L SOT-23-5L
GS9211	2.7V~5.5V	0.5A / 1.0A / 2.0A	90mΩ	Dual	25uA	3.0ms	Low	2.0V(Min)	MSOP-8L, WDFN3x3-8L
GS9221	2.7V~5.5V	1.0A / 1.5A / 2.0A	90mΩ	Dual	25uA	3.0ms	High	2.0V(Min)	MSOP-8L, WDFN3x3-8L

Load Switch

GS P/N	Supply Voltage	Switch Current	RDS(ON)	CH	Stand By	Slew rate	Output Discharge	Package Type
GS9811C*	0.9V~3.6V	2A	33mΩ	Single	0.1u	1ms	Y	SOT-23-6L , DFN
GS9819C*	0.9V~3.6V	2A	33mΩ	Single	0.1u	20us	Y	SOT-23-6L , DFN
GS9821C*	0.9V~3.6V	2A	33mΩ	Single	0.1u	1ms	N	SOT-23-6L , DFN
GS9829C*	0.9V~3.6V	2A	33mΩ	Single	0.1u	20us	N	SOT-23-6L , DFN

USB Charger Switch

GS P/N	Supply Voltage	Switch Current	RDS(ON)	Con	CDP	RDS(ON) Flatness	Package Type
GS9600*	4.5V~5.5V	140uA	4.0Ω	4.0pF	Y	0.5Ω	TDFN-8L

*Under Development



LINEAR POWER

Bipolar / Voltage Reference Series

GS P/N	Supply Voltage	Output Current	Output Voltage	Supply Current	Dropout Voltage	Enable	Soft Start	Power Good	Package Type
GS431	37V	100mA	Adj (Vref = 2.5V)	1mA	NA	N	N	N	SOT-23 , SOIC-8L , TO-92
GS432	16V	100mA	Adj (Vref = 1.24V)	80uA	NA	N	N	N	SOT-23 , SOIC-8L , TO-92

Bipolar / Darlington Linear Voltage Regulator Series

GS P/N	Supply Voltage	Output Current	Output Voltage	Supply Current	Dropout Voltage	Enable	Soft Start	Power Good	Package Type
GS78Lxx	30V	100mA	Fixed (5V , 12V)	7mA	2V	N	N	N	SOT-89 , SOIC-8L , TO-92
GS7805L	15V	1A	Fixed (5V)	10mA	1.7V	N	N	N	SOT-89 , SOT-223 TO-252 , TO-263
GS78xx	35V	1A	Fixed (5V , 12V)	7mA	2V	N	N	N	SOT-223 , TO-252 , TO-263
GS79Lxx	-30V	100mA	Fixed (-5V , -12V)	7mA	2V	N	N	N	SOT-89 , SOIC-8L , TO-92
GS317	40V	1.5A	Adj (Vref = 1.25V)	10mA	2.5V	N	N	N	SOT-223 , TO-252

Bipolar / NPN Voltage Regulators

GS P/N	Supply Voltage	Output Current	Output Voltage	Supply Current	Dropout Voltage	Enable	Soft Start	Power Good	Package Type
GS1116	15V	800mA	Adj (Vref = 1.25V) Fixed (1.5V to 5V)	10mA	1.3V	N	N	N	SOT-89 , SOT-223 , TO-252
GS1117A	15V	1A	Adj (Vref = 1.25V) Fixed (1.2V to 5V)	10mA	1.3V	N	N	N	SOT-89 , SOT-223 , TO-252
GS1117C	15V	1A	Adj (Vref = 1.25V) Fixed (1.2V to 5V)	10mA	1.3V	N	N	N	SOT-89 , SOT-223 , TO-252
GS1084L	7V	5A	Adj (Vref = 1.25V) Fixed (1.5V to 5V)	10mA	1.3V	N	N	N	SOT-223 , TO-252 , TO-263
GS1085L	7V	3A	Adj (Vref = 1.25V) Fixed (1.5V to 5V)	10mA	1.3V	N	N	N	SOT-223 , TO-252 , TO-263
GS1085C	7V	3A	Adj (Vref = 1.25V) Fixed (1.5V to 5V)	10mA	1.3V	N	N	N	SOT-223 , TO-252 , TO-263
GS1581	15V	5A	Adj (Vref = 1.25V) Fixed (1.5V to 5V)	10mA	0.55V	N	N	N	TO-252-5L , TO-263-5L

Bipolar / PNP / Linear Voltage Regulators

GS P/N	Supply Voltage	Output Current	Output Voltage	Supply Current	Dropout Voltage	Enable	Soft Start	Power Good	Package Type
GS2612	20V	1A	Adj (Vref = 1.24V)	20mA	0.4V	Y	N	N	SOIC-8L
GS2615	20V	150mA	Adj (Vref = 1.23V)	5uA	0.28V	Y	N	N	SOT-23-5L



CMOS / P-CH / Micro Power ($I_Q < 100\mu A$) / Voltage Regulators

GS P/N	Supply Voltage	Output Current	Output Voltage	Supply Current	Dropout Voltage	PSRR @1KHz	Enable	Soft Start	Power Good	Package Type
GS2903	6V	300mA	Fixed (1.5V, 1.8V, 2.5V, 2.8V, 3.3V)	30uA	400mV	60dB	Y	N	N	SOT-23 , SOT-25 , SOT-89
GS2906	6V	600mA	Adj (Vref = 1.25V) Fixed (1.5V, 1.8V, 2.5V, 2.8V, 3.3V)	50uA	600mV	50dB	Y	N	N	SOT-25 , SOT-89 , SOT-223
GS2915	6V	150mA	Fixed (1.5V, 1.8V, 2.5V, 2.8V, 3.3V)	10uA	165mV	50dB	Y	N	N	SOT-25
GS2916*	25V	150mA	Adj (Vref = 1.24V)	70uA@ $I_{OUT}=0.1mA$	1.9V	-	Y	Y	N	SOT-25 , SOT-89 , SOP-8L
GS2900	6V	1.5A	Adj (Vref = 0.8V) Fixed (1.5V, 1.8V, 2.5V, 2.8V, 3.3V)	50uA	700mV	50dB	Y	Y	N	SOIC-8L , PSOP-8L SOT-223 , TO-252

CMOS / P-CH / Dual Output / High-PSRR / Voltage Regulators

GS P/N	Supply Voltage	Output Current	Output Voltage	Supply Current	Dropout Voltage	PSRR @1KHz	Enable	Soft Start	Package Type
GS6203	6V	300mA / CH	Fixed (1.8 / 2.8V, 1.8 / 3.3V , 2.8 / 3.3V)	250uA / CH	200mV	70dB	Y	Y	SOT-26

CMOS / P-CH / High-PSRR / Voltage Regulators

GS P/N	Supply Voltage	Output Current	Output Voltage	Supply Current	Dropout Voltage	PSRR @1KHz	Enable	Soft Start	Power Good	Package Type
GS2810	7V	1A	Adj (Vref = 1.25V)	120uA	1000mV	70dB	N	N	N	SOT-89 , SOT-223 , TO-252
GS2813	6V	300mA	Adj (Vref = 0.8V) Fixed (1.5V, 1.8V, 2.8V, 3.3V)	25uA	220mV	70dB	N	N	N	SC-70 , SOT-23 , SC82-4L

CMOS / N-CH / Dual Input / Ultra Low Dropout / Voltage Regulators

GS P/N	Supply Voltage	Output Current (MAX)	Output Voltage	Quiescent Current	Dropout Voltage	Soft Start	Enable	Power Good	Package Type
GS2211*	6V	1A	Adj (Vref = 0.8V)	1.0mA	180mV	1.5ms	Y	Y	PSOP-8L , DFN3x3-10L
GS2221	6V	2A	Adj (Vref = 0.8V)	1.0mA	200mV	1.5ms	Y	Y	PSOP-8L , DFN3x3-10L
GS2231	6V	3A	Adj (Vref = 0.8V)	1.0mA	250mV	1.5ms	Y	Y	PSOP-8L , DFN3x3-10L
GS2251	6V	5A	Adj (Vref = 0.8V)	0.58mA	300mV	1.5ms	Y	Y	PSOP-8L , DFN3x3-10L
GS2220	6V	2A	Adj (Vref = 0.8V)	1.0mA	200mV	1.5ms	Y	Y	PSOP-8L
GS2230	6V	3A	Adj (Vref = 0.8V)	1.0mA	250mV	1.5ms	Y	Y	PSOP-8L
GS2250	6V	5A	Adj (Vref = 0.8V)	0.58mA	300mV	1.5ms	Y	Y	PSOP-8L

*Under Development



CMOS / Ultra Low Dropout Liner Regulator Controller

GS P/N	Supply Voltage	Output Current	Output Voltage	Supply Current	Dropout Voltage	PSRR @1KHz	Enable	Soft Start	Power Good	Package Type
GS1301*	6V	5A	Adj (Vref = 0.8V) Fixed (1V, 1.05V, 1.2V, 1.5V 1.8V, 2.5V, 3.3V)	3.2mA	300mV	50dB	Y	Y	N	SOT-23-6L

DDR Terminator

GS P/N	Supply Voltage	Drive Current	Vref (Enable)	I (stand by)	DDR Type	Package
GS9020	6V	2A	0.75V	50uA	I / II / III	PSOP-8L
GS9021*	6V	1.8A	0.55V	20uA	II/III/IV	PSOP-8L

OP Amplifiers

GS P/N	Supply Voltage	CH	Gain Band width	Output Current	Supply Current	Input Bias Current	Offset Voltage	Package Type
GSV321	5V	1	1 MHz	20mA	80uA	11nA	3mV	SOT-25
GS321	32V (+/- 16V)	1	1 MHz	20mA	1mA	20nA	3mV	SOT-25
GS358	32V (+/- 16V)	2	1 MHz	20mA / CH	1mA	20nA	3mV	SOIC-8L
GS324	32V (+/- 16V)	4	1 MHz	20mA / CH	3mA	20nA	3mV	SOIC-14L
GS4558	30V (+/- 15V)	2	3 MHz	-	3mA	140nA	0.5mV	SOIC-8L

Comparators

GS P/N	Supply Voltage	CH	Response Time	Output Current	Supply Current	Input Bias Current	Offset Voltage	Package Type
GS391	36V	1	1.3us	6mA	0.8mA	25nA	2mV	SOT-25
GS393	10V	2	1.3us	6mA / CH	0.8mA	25nA	2mV	SOIC-8L
GS339	36V	4	1.3us	6mA / CH	0.8mA	25nA	2mV	SOIC-14L
GS337*	8V	2	1.8us	45mA	7.0uA	10nA	1.5mV	TDFN2x2-8L , SOT-23-8L

*Under Development



Power Management

Solutions Provider

SEMICONDUCTOR



WHITE LED DRIVER

Switching Mode (String)

GS P/N	Supply Voltage	Number of LEDs	LED Channels	LEDs Per CH	Output Current Per CH	Supply Current (Istby)	Switch Current	Current Maching	EN	OVP	Package Type
GS5901*	2.5V ~ 6.0V	3	1	3	-	1uA	300mA	-	Y	Y	SOT-26

Switching Mode (String)

GS P/N	Supply Voltage	Number of LEDs	LED Channels	LEDs Per CH	Output Current Per CH	Supply Current (Istby)	Switch Current	Current Maching	EN	OVP	Package Type
GS5913*	2.7V ~ 5.5V	3	3	1	20mA	1uA	-	3%	Y	N	SOT-26
GS5914*	2.7V ~ 5.5V	4	4	1	20mA	1uA	-	3%	Y	N	SOT-26

Switching Mode / Charge Pump (parallel)

GS P/N	Supply Voltage	Number of LEDs	LED Channels	LEDs Per CH	Output Current Per CH	Supply Current (Istby)	Switch Current	Current Maching	EN	OVP	Package Type
GS5933*	2.7V ~ 5.5V	3	3	1	25mA	<1uA	1uA	0.5%	Y	N	QFN-16L

*Under Development



Technology

Innovation

Powering the future



INTERFACE & PROTECTION

Voltage Detectors

GS P/N	Supply Voltage	Output Current	Detect Voltage	Supply Current	Package Type
GS71xx	22V	50mA	2.4V to 7.0V (Each 0.1V)	3uA	SOT-23
GS72xx	22V	50mA	2.4V to 7.0V (Each 0.1V)	3uA	SOT-23
GS73xx	10V	50mA	1.0V to 6.0V (Each 0.1V)	1uA	SOT-23
GS74xx	10V	50mA	1.0V to 6.0V (Each 0.1V)	1uA	SOT-23

Interface

GS P/N	Supply Voltage	Driver Current	Supply Current	Receiver TPLH / TPHL	Receiver TTLH / TTTHL	Driver TPLH / TPHL	Driver TTLH / TTTHL	Package Type
GS75232	15V	10mA	30mA	150ns / 50ns	175ns / 20ns	500ns / 175ns	100ns / 75ns	SOIC-20L , SSOP-20L TSSOP-20L

ESD & Latch Up Protection

GS P/N	CH	VBR(Min)	VRWM(Max)	IR(Max)	RPK (8/20 us)	IPP(8/20 us)	Cj (TYP)	Package Type
GSE9X5VU	1	6V	5V	1uA	180W	7A	0.5pF	FBP-02C
GSE0592	1	6V	5V	1uA	250W	7A	5pF	SOD-923
GSE0572	1	6V	5V	1uA	250W	7A	5pF	SOD-723
GSE0573	1	6V	5V	1uA	250W	7A	2pF	SOD-723
GSE0521	1	6V	5V	1uA	250W	7A	5pF	SOD-523
GSE5Z5VU	1	6V	5V	1uA	250W	7A	0.5pF	SOD-523
GSE6V8UN	2	6V	5V	1uA	180W	5A	0.7pF	SOT-353
GSE6V8UW	4	6V	5V	5uA	250W	5A	0.7pF	SOT-363
GSE6V8UF	4	6V	5V	5uA	250W	5A	0.7pF	SOT-26
GSE6V8UD	4	6V	5V	1uA	180W	7A	0.35pF	DFN-10L
GSE6V8UH	4	6V	5V	1uA	180W	7A	0.35pF	MSOP-10L

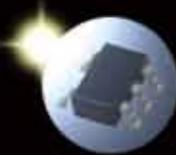


MOSFET

Package SOT-23

GS P/N	Type	VDS	VGS	IDS	VTH	RDS(ON) @ VGS					CISS (TYP)	CRSS (TYP)	Qg (TYP)	Package Type
						10V	4.5V	2.5V	1.8V	1.25V				
GSM2312A	N	20V	12V	2.8A	0.8V	-	45mΩ	48mΩ	64mΩ	-	850pF	60pF	8.2nC	
GSM3414A	N	20V	12V	2.4A	0.8V	-	70mΩ	80mΩ	100mΩ	-	340pF	33pF	4.2nC	
GSM2302AS	N	20V	12V	2.4A	1.0V	-	90mΩ	110mΩ	-	-	340pF	33pF	5.4nC	
GSM3402A	N	30V	12V	2.4A	1.0V	82mΩ	87mΩ	110mΩ	-	-	280pF	20pF	2.3nC	
GSM3400AS	N	30V	12V	2.8A	1.1V	50mΩ	55mΩ	75mΩ	-	-	320pF	30pF	3.0nC	
GSM3406A	N	30V	20V	4.0A	2.0V	48mΩ	58mΩ	-	-	-	320pF	30pF	3.0nC	
GSM3406AS	N	30V	20V	2.8A	2.1V	45mΩ	55mΩ	-	-	-	320pF	30pF	3.0nC	
GSM7002K	N	60V	20V	0.64A	2.5V	2.0Ω	4.0Ω	-	-	-	32pF	6pF	1.0nC	
GSM7002	N	60V	20V	0.3A	2.5V	6.0Ω	7.0Ω	-	-	-	43pF	6pF	1.4nC	
GSM3413A	P	20V	12V	-2.6A	0.7V	-	110mΩ	150mΩ	205mΩ	-	415pF	87pF	5.8nC	
GSM2367AS	P	20V	12V	-2.8A	1.0V	-	80mΩ	98mΩ	130mΩ	-	450pF	55pF	10nC	
GSM2301A	P	20V	12V	-2.6A	1.0V	-	120mΩ	170mΩ	-	-	415pF	87pF	5.8nC	
GSM2301AS	P	20V	12V	-2.4A	1.0V	-	125mΩ	170mΩ	-	-	415pF	87pF	5.8nC	
GSM3401AS	P	30V	12V	-2.4A	1.1V	70mΩ	80mΩ	105mΩ	-	-	450pF	55pF	10nC	
GSM3407AS	P	30V	20V	-2.8A	2.5V	77mΩ	102mΩ	-	-	-	450pF	55pF	10nC	
GSM9105B	P	20V	12V	-2.6A	0.7V	-	110mΩ	150mΩ	205mΩ	175Ω	415pF	87pF	5.8nC	
GSM9101	P	20V	12V	-2.6A	1.0V	-	120mΩ	170mΩ	-	-	415pF	87pF	5.8nC	
GSM9101B	P	20V	12V	-2.4A	1.0V	-	125mΩ	170mΩ	-	-	415pF	87pF	5.8nC	
GSM9106B	N	20V	12V	2.4A	0.8V	-	70mΩ	80mΩ	100mΩ	-	340pF	33pF	4.2nC	
GSM9102B	N	20V	12V	2.4A	1.0V	-	90mΩ	110mΩ	-	-	340pF	33pF	5.4nC	

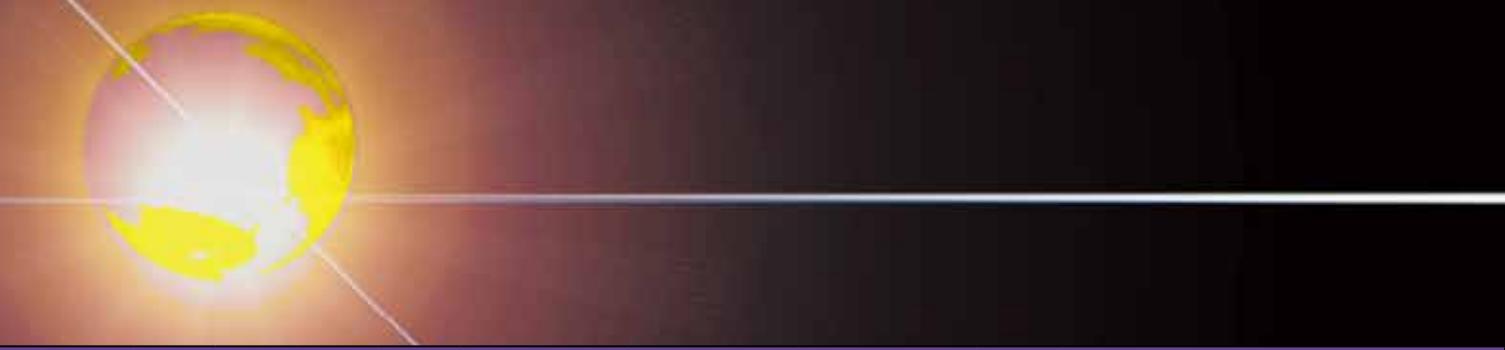




Package SOT-23-3L

GS P/N	Type	VDS	VGS	IDS	VTH	RDS(ON) @ VGS				CISS (TYP)	CRSS (TYP)	Qg (TYP)	Package Type
						10V	4.5V	2.5V	1.8V				
GSM2312	N	20V	12V	4.0A	0.8V	-	36mΩ	40mΩ	52mΩ	850pF	60pF	8.2nC	
GSM3414	N	20V	12V	3.6A	0.8V	-	58mΩ	68mΩ	88mΩ	340pF	33pF	4.2nC	
GSM9106	N	20V	12V	3.6A	0.8V	-	58mΩ	68mΩ	88mΩ	340pF	33pF	4.2nC	
GSM3416	N	20V	12V	4.0A	1.0V	-	26mΩ	30mΩ	36mΩ	1050pF	115pF	13nC	
GSM3414S	N	20V	12V	4.0A	1.0V	-	50mΩ	60mΩ	105mΩ	340pF	33pF	5.4nC	
GSM9102	N	20V	12V	3.6A	1.0V	-	85mΩ	100mΩ	-	340pF	33pF	5.4nC	
GSM9108	N	30V	12V	4A	1.1V	42mΩ	44mΩ	50mΩ	-	320pF	30pF	3.0nC	
GSM3406	N	30V	20V	4.0A	2.0V	42mΩ	52mΩ	-	-	320pF	30pF	3.0nC	
GSM3406S	N	30V	20V	4.0A	2.1V	40mΩ	50mΩ	-	-	320pF	30pF	3.0nC	
GSM9104	N	30V	20V	3.6A	2.2V	78mΩ	105mΩ	-	-	230pF	20pF	2.0nC	
GSM9110	N	40V	12V	4.0A	1.2V	56mΩ	62mΩ	95mΩ	-	500pF	45pF	10nC	
GSM3413	P	20V	12V	-3.2A	0.7V	-	100mΩ	130mΩ	195mΩ	415pF	87pF	5.8nC	
GSM9105	P	20V	12V	-3.2A	0.7V	--	100mΩ	130mΩ	195mΩ	415pF	87pF	5.8nC	
GSM2311	P	20V	12V	-4.0A	0.8V	-	56mΩ	70mΩ	96mΩ	780pF	55pF	8.0nC	
GSM2367S	P	20V	12V	-3.0A	1.0V	-	65mΩ	80mΩ	105mΩ	450pF	55pF	10nC	
GSM2301	P	20V	12V	-3.0A	1.0V	-	105mΩ	155mΩ	-	415pF	87pF	5.8nC	
GSM2301S	P	20V	12V	-3.0A	1.0V	-	120mΩ	170mΩ	-	415pF	87pF	5.8nC	
GSM9107	P	30V	12V	-4.0xA	1.1V	65mΩ	80mΩ	105mΩ	-	450pF	55pF	10nC	
GSM9103	P	30V	20V	-3.6A	2.6V	150mΩ	235mΩ	-	-	170pF	30pF	2.5nC	
GSM9109	P	40V	20V	-3.5A	2.5V	96mΩ	110mΩ	-	-	500pF	50pF	9.0nC	





Package SOT-363

GS P/N	Type	VDS	VGS	IDS	VTH	RDS(ON) @ VGS				CISS (TYP)	CRSS (TYP)	Qg (TYP)	Package Type
						10V	4.5V	2.5V	1.8V				
GSM7002T	N/N	60V	20V	0.64A	1.7V	2.0Ω	4.0Ω	-	-	32pF	6pF	1.0nC	
GSM1563	N/P	20V	12V	1.0A	1.0V -1.0V	-	280mΩ 600mΩ	340mΩ 840mΩ	580mΩ 1440mΩ	-	-	1.06nC 1.0nC	
GSM6332	N/P	20V	12V	1.0A	-1.0V -1.0V	-	280mΩ 600mΩ	340mΩ 800mΩ	580mΩ 1440mΩ	-	-	1.06nC 1.0nC	

Package TSOP-6P

GS P/N	Type	VDS	VGS	IDS	VTH	RDS(ON) @ VGS				CISS (TYP)	CRSS (TYP)	Qg (TYP)	Package Type
						10V	4.5V	2.5V	1.8V				
GSM6405	P	30V	20V	-5A	2.5V	55mΩ	85mΩ	-	-	450pF	55pF	10nC	
GSM8205	N/N	20V	12V	5A	0.8V	-	29mΩ	37mΩ	50mΩ	850pF	60pF	8.2nC	
GSM6562	N/N	30V	12V	3.6A	1.2V	70mΩ	78mΩ	95mΩ	-	280pF	20pF	2.3nC	
GSM6561	N/N	30V	20V	3.6A	2.5V	75mΩ	102mΩ	-	-	280pF	20pF	2.3nC	
GSM6604	N/P	20V	12V	1.0A 0.8A	-3.4V -2.8V	-	50mΩ 85mΩ	60mΩ 110mΩ	75mΩ 130mΩ	-	-	4.8nC	
GSM3981	P/P	20V	12V	-3.2A	0.7V	-	100mΩ	135mΩ	190mΩ	415pF	87pF	5.8nC	
GSM6801	P/P	30V	12V	-3.8A	1.4V	135mΩ	175mΩ	245mΩ	-	230pF	25pF	4.0nC	
GSM3993	P/P	30V	20V	-3.6A	2.6V	150mΩ	235mΩ	-	-	170pF	30pF	2.5nC	

Package TSSOP-6P

GS P/N	Type	VDS	VGS	IDS	VTH	RDS(ON) @ VGS				CISS (TYP)	CRSS (TYP)	Qg (TYP)	Package Type
						10V	4.5V	2.5V	1.8V				
GSM8822S	N/N	20V	12V	6.5A	1.0V	32mΩ	35mΩ	-	-	700pF	45pF	650nC	

Package TSSOP-8P

GS P/N	Type	VDS	VGS	IDS	VTH	RDS(ON) @ VGS				CISS (TYP)	CRSS (TYP)	Qg (TYP)	Package Type
						10V	4.5V	2.5V	1.8V				
GSM8822	N/N	20V	12V	7.2A	0.8V	-	28mΩ	32mΩ	45mΩ	700pF	45pF	650pC	



Package SOT-252-2L

GS P/N	Type	VDS	VGS	IDS	VTH	RDS(ON) @ VGS				CISS (TYP)	CRSS (TYP)	Qg (TYP)	Package Type
						10V	4.5V	2.5V	1.8V				
GSM3484	N	30V	12V	25A	1.8V	15mΩ	18mΩ	-	-	-	-	-	
GSM3025S	N	30V	12V	22A	1.1V	32mΩ	36mΩ	42mΩ	-	-	-	-	
GSM3015S	N	30V	20V	75A	2.0V	5.1mΩ	6.8mΩ	-	-	-	-	-	
GSM3006S	N	30V	20V	75A	2.0V	6mΩ	9mΩ	-	-	-	-	-	
GSM3016S	N	30V	20V	75A	2.0V	6mΩ	10mΩ	-	-	-	-	-	
GSM3009S	N	30V	20V	60A	2.0V	8.5mΩ	11.5mΩ	-	-	1350pF	95pF	8nC	
GSM3019S	N	30V	20V	60A	2.0V	9mΩ	13mΩ	-	-	-	-	-	
GSM3030	N	30V	20V	22A	2.0V	30mΩ	40mΩ	-	-	-	-	-	
GSM4804	N	40V	20V	18A	2.0V	48mΩ	70mΩ	-	-	850pF	75pF	10nC	
GSM2604	N	40V	20V	25A	3.0V	22mΩ	40mΩ	-	-	-	-	-	
GSM9971	N	60V	20V	25A	2.5V	42mΩ	50mΩ	-	-	-	-	-	
GSM3050S	P	30V	12V	-15.0A	1.1V	60mΩ	72mΩ	108mΩ	-	-	-	-	
GSM3804	P	40V	20V	-22.0A	3.0V	38mΩ	54mΩ	-	-	-	-	-	

Package SOT-523

GS P/N	Type	VDS	VGS	IDS	VTH	RDS(ON) @ VGS				CISS (TYP)	CRSS (TYP)	Qg (TYP)	Package Type
						10V	4.5V	2.5V	1.8V				
GSM1012E	N	20V	12V	0.7A	0.8V	-	360mΩ	420mΩ	560mΩ	70pF	8pF	1.06nC	
GSM1012	N	20V	12V	0.65A	1.0V	-	380mΩ	450mΩ	800mΩ	-	-	1.2nC	
GSM1032	N	30V	12V	0.7A	1.0V	-	440mΩ	500mΩ	750mΩ	85pF	15pF	1.4nC	

Package SOT-563

GS P/N	Type	VDS	VGS	IDS	VTH	RDS(ON) @ VGS				CISS (TYP)	CRSS (TYP)	Qg (TYP)	Package Type
						10V	4.5V	2.5V	1.8V				
GSM1024	N/N	20V	12V	0.7A	1.0V	-	360mΩ	420mΩ	560mΩ	70pF	8pF	1.06nC	
GSM1024E	N/N	20V	12V	0.7A	0.8V	-	360mΩ	420mΩ	560mΩ	70pF	8pF	1.06nC	



Package SOP-8P

GS P/N	Type	VDS	VGS	IDS	VTH	RDS(ON) @ VGS				CISS (TYP)	CRSS (TYP)	Qg (TYP)	Package Type
						10V	4.5V	2.5V	1.8V				
GSM4422	N	30V	12V	6.8A	1.0V	36mΩ	42mΩ	50mΩ	-	520pF	40pF	4nC	
GSM4134	N	30V	20V	12A	1.3V	15mΩ	20mΩ	-	-	800pF	70pF	8nC	
GSM4412	N	30V	20V	7.6A	2.0V	35mΩ	42mΩ	-	-	520pF	40pF	4nC	
GSM4822S	N	30V	20V	6.0A	2.1V	30mΩ	42mΩ	-	-	700pF	45pF	8nC	
GSM4822WS	N	30V	20V	6A	2.1V	34mΩ	44mΩ	-	-	700pF	45pF	8nC	
GSM4424	N	40V	20V	8A	3V	24mΩ	44mΩ	-	-	850pF	75pF	10nC	
GSM4440	N	60V	20V	6.8A	2.5V	42mΩ	50mΩ	-	-	890pF	48pF	10nC	
GSM4435B	P	30V	20V	-10A	1.6V	24mΩ	30mΩ	-	-	1850pF	335pF	20nC	
GSM4435	P	30V	20V	-10A	1.8V	28mΩ	37mΩ	-	-	950pF	175pF	10nC	
GSM9435	P	30V	20V	-6.0A	2.5V	52mΩ	76mΩ	-	-	500pF	55pF	10nC	
GSM4637	P	30V	20V	-6.8A	3V	37mΩ	54mΩ	-	-	1100pF	115pF	13nC	
GSM4214	N/N	30V	20V	9A	1.8V	16mΩ	20mΩ	-	-	800pF	70pF	8nC	
GSM4210	N/N	30V	20V	6.8A	2.0V	35mΩ	42mΩ	-	-	520pF	40pF	4nC	
GSM4936S	N/N	30V	20V	5.4A	2.1V	30mΩ	42mΩ	-	-	700pF	45pF	8nC	
GSM4936WS	N/N	30V	20V	5.4A	2.1V	36mΩ	46mΩ	-	-	700pF	45pF	8nC	
GSM4972	N/N	30V	20V	8.5A	3.0V	14mΩ	18mΩ	-	-	1350pF	150pF	16nC	
GSM4924	N/N	40V	20V	8A	3.0V	24mΩ	48mΩ	-	-	850pF	75pF	10nC	
GSM4906	N/N	40V	20V	6.8A	2.0V	52mΩ	70mΩ	-	-	650pF	45pF	10nC	
GSM4946	N/N	60V	20V	6.8A	2.5V	42mΩ	50mΩ	-	-	890pF	48pF	10nC	
GSM4539S	N/P	30V	23V	2.1V 2.5V	5.4A -5.4A	40mΩ 65mΩ	50mΩ 92mΩ	-	-	-	-	8/10nC	
GSM4953S	P/P	30V	20V	-5.4A	2.5V	52mΩ	76mΩ	-	-	500pF	55pF	10nC	
GSM4953	P/P	30V	20V	-6.2A	2.5V	65mΩ	95mΩ	-	-	450pF	55pF	10nC	
GSM4535	P/P	30V	20V	-6.2A	3V	35mΩ	50mΩ	-	-	1100pF	115pF	13nC	





Package Types

(Body Size Unit mm)

SOD-923	SOD-723	SOD-523	SOD-323
L:0.8 W:0.6 H:0.4	L:1.0 W:0.6 H:0.53	L:1.2 W:0.8 H:0.6	L:1.7 W:1.3 H:0.85
SOD-123	SOT-523	SOT-363	SOT-353
L:2.7 W:1.6 H:1.1	L:1.6 W:0.8 H:0.75	L:2.1 W:1.25 H:0.96	L:2.1 W:1.25 H:0.96
SOT-323	SOT-23	SOT-23-5L	SOT-23-6L
L:2.1 W:1.25 H:0.96	L:2.9 W:1..3 H:1.0	L:2.92 W:1.6 H:1.1	L:2.92 W:1.6 H:1.1
SOT-23-8L	SOT-89	SOT-223	TO-252-2L
L:3.02 W:1.7 H:1.25	L:4.5 W:2.45 H:1.5	L:6.3 W:3.56 H:1.6	L:6.5 W:5.5 H:2.3
TO-252-5L	TO-263-2L	TO-263-5L	TO-220
L:10.0 W:8.4 H:4.57	L:10.16 W:8.7 H:4.57	L:10.0 W:8.4 H:4.57	L:10.16 W:8.7 H:4.57
TO-92	DIP-8L	SOIC-8L	SOIC-14L
L:4.5 W:4.5 H:3.5	L:9.25 W:6.35 H:3.3	L:4.9 W:3.9 H:1.55	L:8.65 W:3.9 H:1.55
SOIC-20L	MSOP-8L	MSOP-10L	SSOP-20L
L:12.76 W:7.5 H:2.3	L:3.0 W:3.0 H:0.85	L:3.0 W:3.0 H:0.85	L:8.65 W:3.9 H:1.4
TSSOP-20L	DFN2X2-6L	DFN3X3-6L	WDFN3X3-3L
L:6.5 W:4.4 H:1.0	L:2.0 W:2.0 H:0.75	L:3.0 W:3.0 H:0.75	L:3.0 W:3.0 H:0.75
QFN3X3-8L	QFN3X3-16L	WQFN-16L	FBP-02C
L:3.0 W:3.0 H:0.75	L:3.0 W:3.0 H:0.75	L:2.5 W:2.0 H:0.45	L:1.0 W:0.6 H:0.55



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