



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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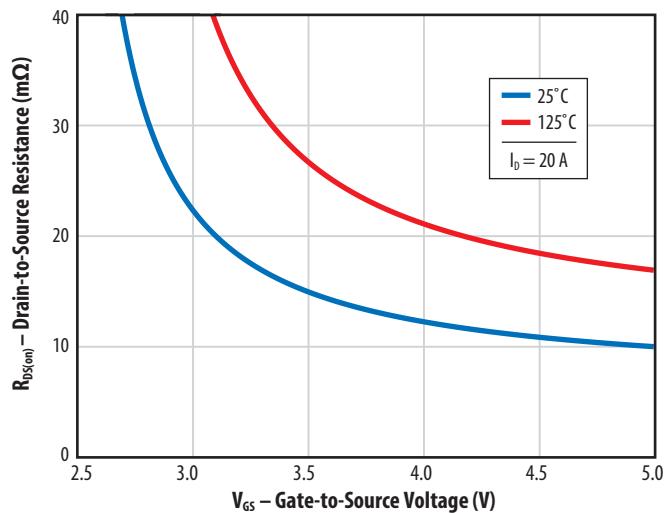
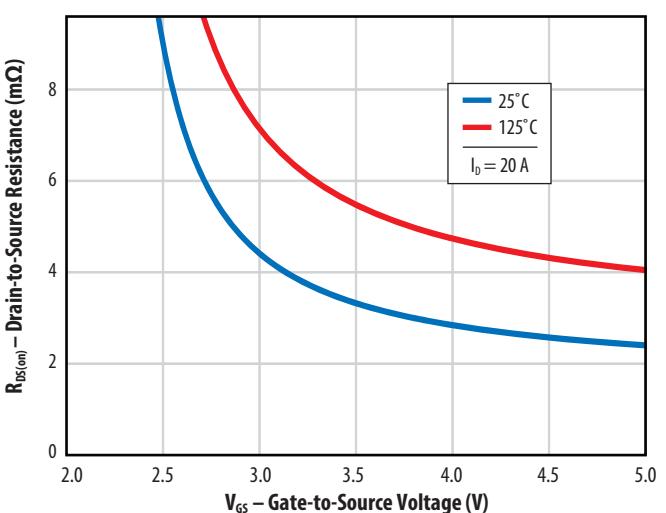
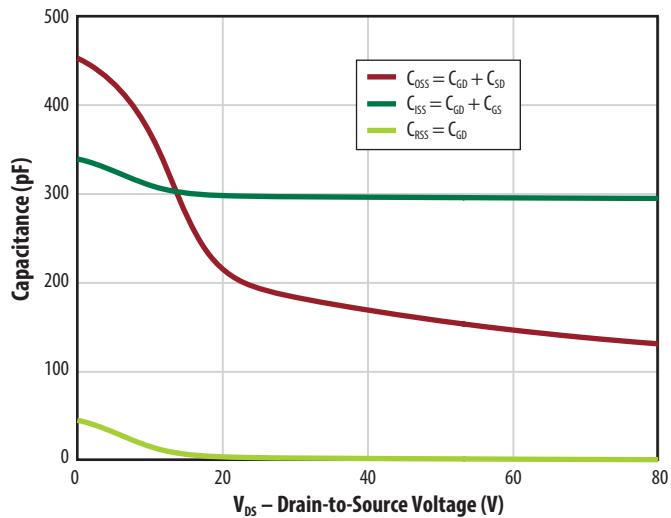
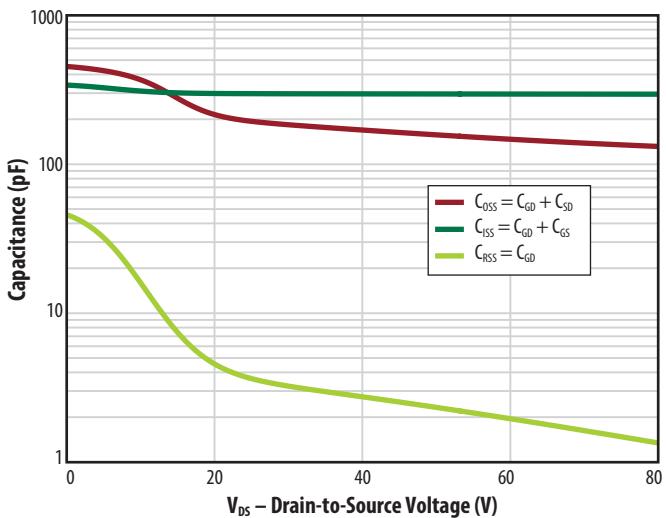
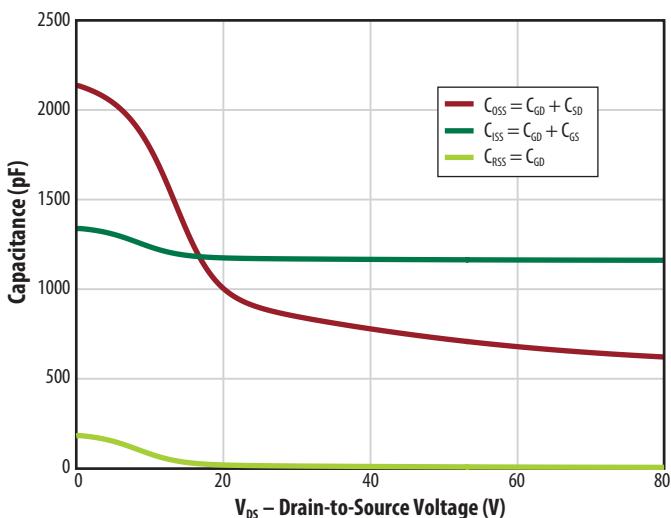
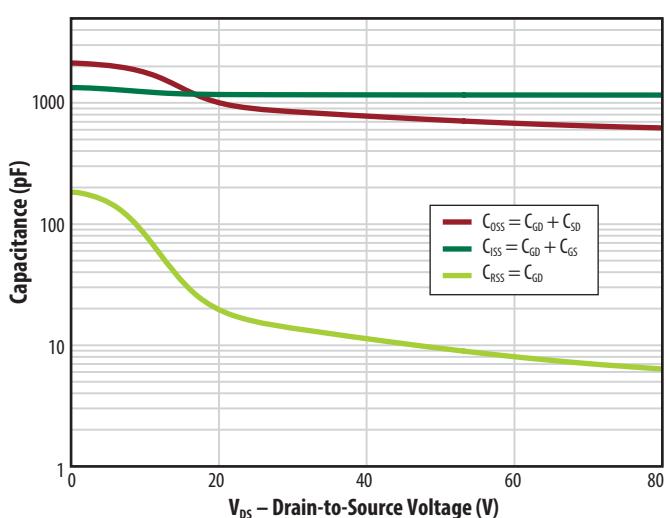
Figure 4a (Q1): $R_{DS(on)}$ vs. V_{GS} for Various Temperatures**Figure 4b (Q2): $R_{DS(on)}$ vs. V_{GS} for Various Temperatures****Figure 5a (Q1): Capacitance (Linear Scale)****Figure 5b (Q1): Capacitance (Log Scale)****Figure 5c (Q2): Capacitance (Linear Scale)****Figure 5d (Q2): Capacitance (Log Scale)**

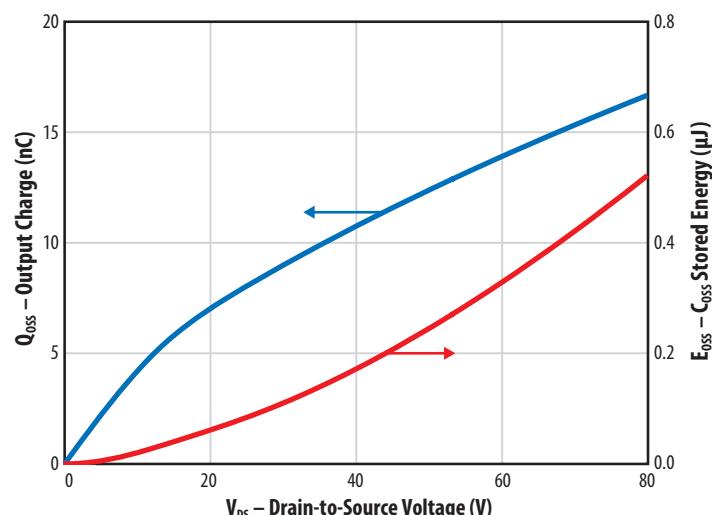
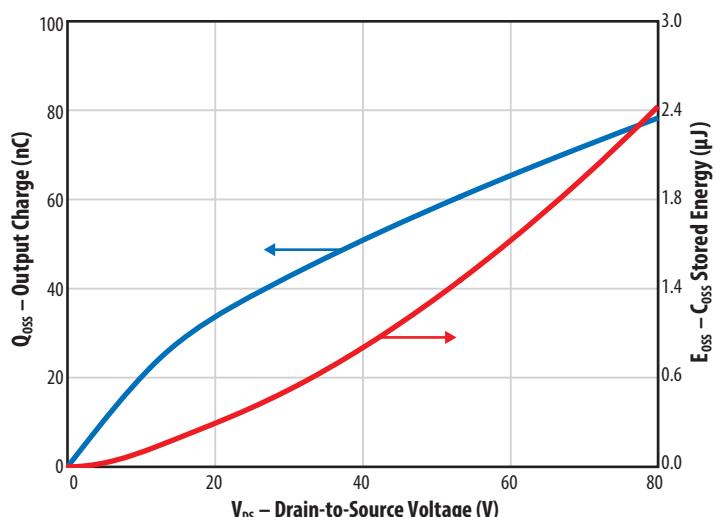
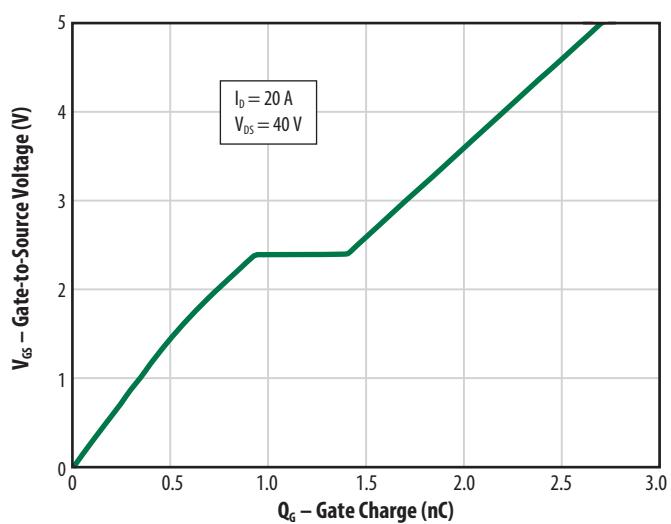
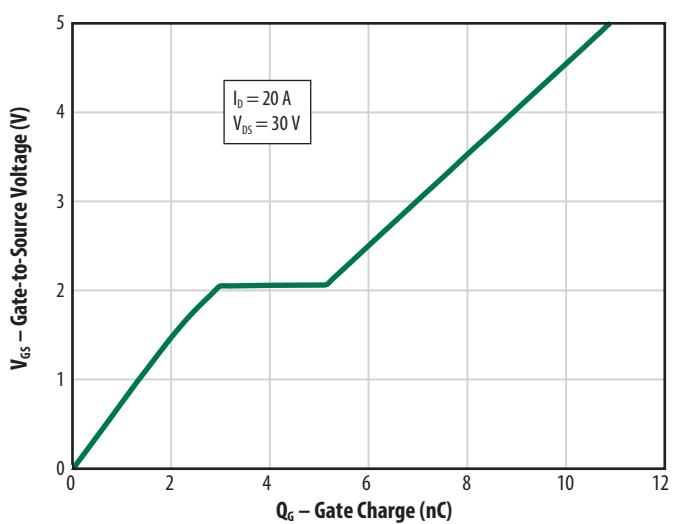
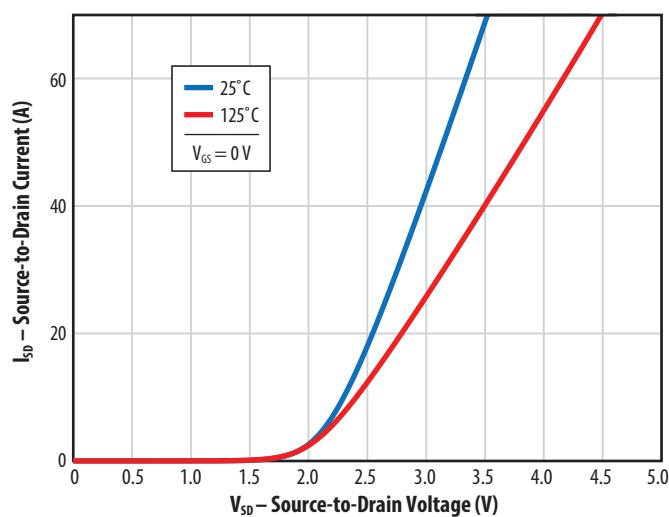
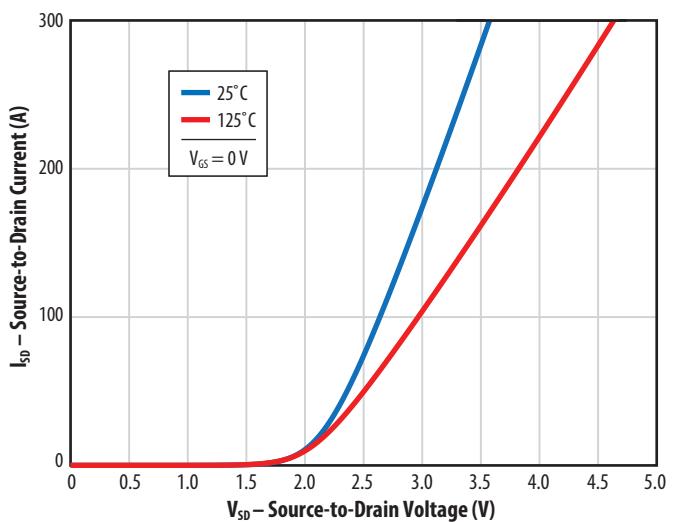
Figure 6a (Q1): Output Charge and C_{oss} Stored Energy**Figure 6b (Q2): Output Charge and C_{oss} Stored Energy****Figure 7a (Q1): Gate Charge****Figure 7b (Q2): Gate Charge****Figure 8a (Q1): Reverse Drain-Source Characteristics****Figure 8b (Q2): Reverse Drain-Source Characteristics**

Figure 12a
Transient Thermal Response Curves

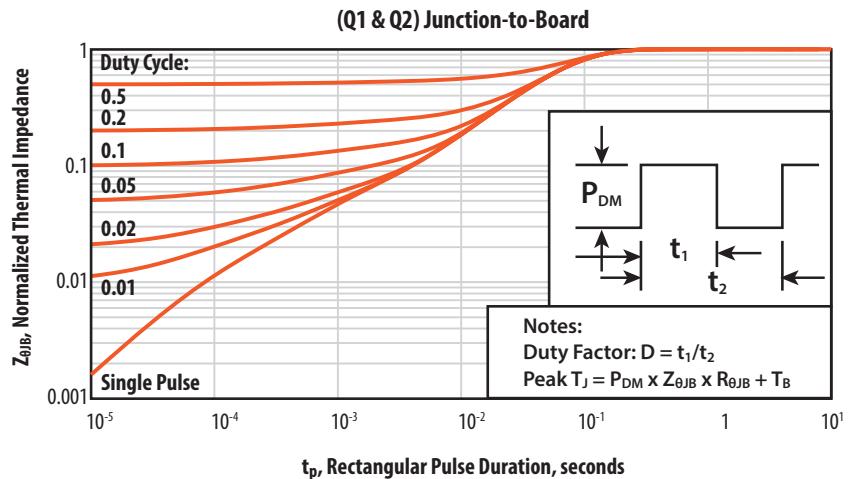


Figure 12b
Transient Thermal Response Curves

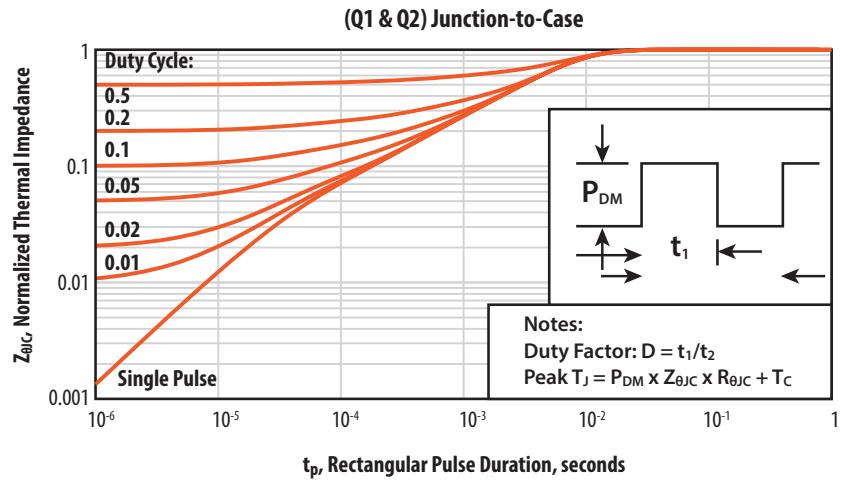
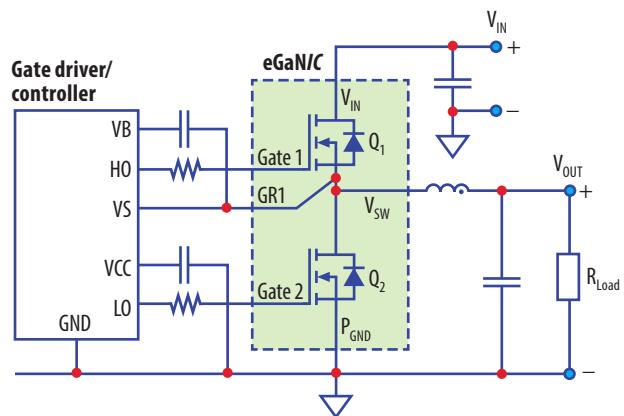
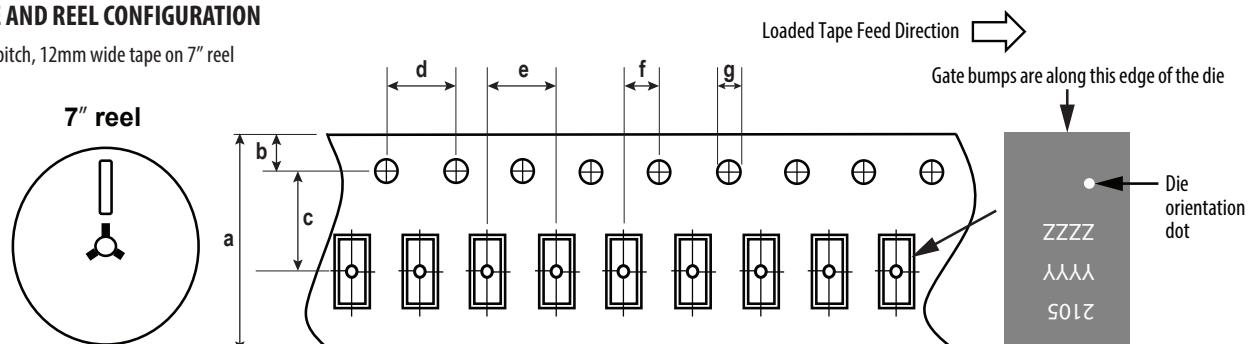


Figure 13
Typical Application Circuit



TAPE AND REEL CONFIGURATION

4mm pitch, 12mm wide tape on 7" reel



EPC2105 (note 1)			
Dimension (mm)	target	min	max
a	12.00	11.70	12.30
b	1.75	1.65	1.85
c (see note)	5.50	5.45	5.55
d	4.00	3.90	4.10
e	4.00	3.90	4.10
f (see note)	2.00	1.95	2.05
g	1.50	1.50	1.60

Note 1: MSL 1 (moisture sensitivity level 1) classified according to IPC/JEDEC industry standard.

Note 2: Pocket position is relative to the sprocket hole measured as true position of the pocket, not the pocket hole.

DIE MARKINGS