



Product / Process Change Notification (PCN)

909 N Sepulveda Blvd., Suite 230, El Segundo, CA 90245

Notification Date: January 17, 2025

PCN Number: PCN250101

PCN Title: Datasheet Change

Product Identification:

The following released to sales part numbers will be impacted by this change:

EPC Part Number
EPC2110

Description of Change:

As part of continuous improvement efforts, EPC is updating the dynamic section of the above-mentioned part number to provide more accurate parametric data. These changes will have no impact to form, fit, or function of the devices. The changes to the datasheet specification are detailed below. Please consult EPC for applications support if needed.

This change will be in effect for devices shipping with date code of D1951 or later.

Comparison of Original Datasheet Specification vs. New Datasheet:

			Original Datasheet				Updated Datasheet			
Dynamic Characteristics of Q1 & Q2 (T _J = 25°C unless otherwise stated)							changes marked in red			
PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNIT	MIN	TYP	MAX	UNIT	
C _{ISS}	Input Capacitance		85	100	pF		85	100	pF	
C _{RSS}	Reverse Transfer Capacitance	V _{DS} = 60V, V _{GS} = 0 V	1				1			
C _{OSS}	Output Capacitance		45	70			60	93		
C _{OSS(ER)}	Effective Output Capacitance, Energy Related (Note 1)	V _{DS} = 0 to 60 V, V _{GS} = 0 V	54				71			
C _{OSS(TR)}	Effective Output Capacitance, Time Related (Note 2)		67			88				
R _G	Gate Resistance		0.6		Ω	0.6		Ω		
Q _G	Total Gate Charge	V _{DS} = 60V, V _{GS} = 5 V, I _D = 30 A	0.8	1.1	nC	0.8	1.1	nC		
Q _{GS}	Gate to Source Charge	V _{DS} = 60 V, I _D = 30 A	0.25				0.25			
Q _{GD}	Gate to Drain Charge		0.18				0.18			
Q _{G(TH)}	Gate Charge at Threshold		0.16				0.16			
Q _{OSS}	Output Charge		V _{DS} = 60 V, V _{GS} = 0 V	4		6			5.3	8
Q _{RR}	Source-Drain Recovery Charge		0				0			

Last Time Buy:

N/A

Samples

Contact EPC



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Information Request

If there are any questions, comments or information required regarding this PCN please contact your local EPC Sales Representative.

EPC CONSIDERS THIS CHANGE APPROVED IF WE DO NOT RECEIVE ANY WRITTEN OBJECTION WITHIN 30 DAYS FROM NOTIFICATION DATE OF THIS PCN LETTER.

EPC Approval:

This PCN has been reviewed and approved by EPC's Quality & Reliability department:

Quality Director: Yanping Ma

Date: 01/17/2025