

APT30GP60BG, APT30GP60BDQ1G

Maximum Eoff @ 25° C Data Sheet Update

Clarifications/Corrections to the Data Sheet:

In the device data sheets listed below, the following clarifications and corrections should be noted. Please check the Microchip website for any existing issues.

TABLE 1: AFFECTED PART NUMBERS AND DOCUMENTS

Part Number	Part Description	Data Sheet Number ⁽¹⁾	Data Sheet Revision Level ⁽¹⁾
APT30GP60BG	IGBT PT MOS 7 SINGLE 600V 30A TO-247	050-7400	E
APT30GP60BDQ1G	IGBT PT MOS 7 COMBI 600V 30A TO-247	050-7451	A

Note 1: THE NUMBER AND REVISION LEVEL IS REFERENCED IN THE MARGIN OF THE DATA SHEET.

SUMMARY OF CHANGES

In the Dynamic Characteristics table, the Eoff (Turn-off Switching Energy) at $T_J = 25^\circ\text{C}$ should be Max = 370 μJ (in bold below).

DYNAMIC CHARACTERISTICS

Symbol	Characteristic	Test Conditions	MIN	TYP	MAX	UNIT
$t_{d(on)}$	Turn-on Delay Time	Inductive Switching (25° C) $V_{CC(Peak)} = 400V$ $V_{GE} = 15V$ $I_C = 30A$ $R_G = 5\Omega$ $T_J = +25^\circ\text{C}$		13		ns
t_r	Current Rise Time			18		
$t_{d(off)}$	Turn-off Delay Time			55		
t_f	Current Fall Time			46		
E_{on1}	Turn-on Switching Energy			260		μJ
E_{on2}	Turn-on Switching Energy (Diode)			335		
E_{off}	Turn-off Switching Energy			250	370	

**APPENDIX A: DOCUMENT
REVISION HISTORY**

Rev A Document (06/2023)

Initial release of this document.

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