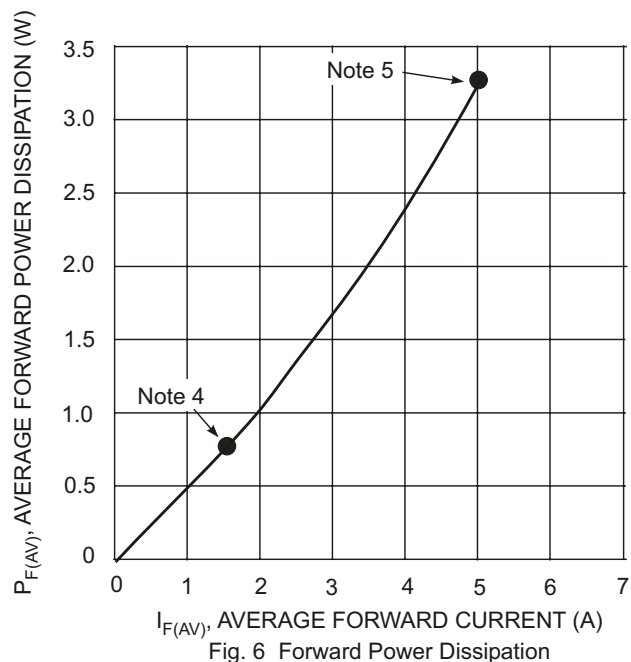
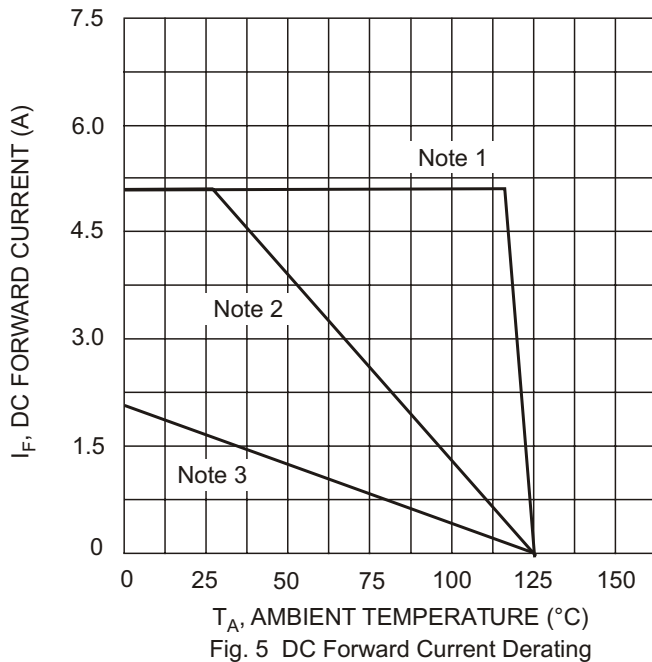


**NOT RECOMMENDED FOR NEW DESIGNS
USE PDS5100**



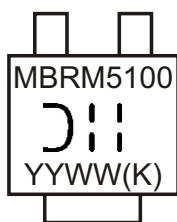
- Notes:
1. $T_A = T_{\text{SOLDERING POINT}}$, $R_{\theta JS} = 2.7^{\circ}\text{C/W}$, $R_{\theta SA} = 0^{\circ}\text{C/W}$.
 2. Device mounted on GETEK substrate, 2"x2", 2 oz. copper, double-sided, cathode pad dimensions 0.75" x 1.0", anode pad dimensions 0.25" x 1.0". $R_{\theta JA}$ in range of 20-40°C/W.
 3. Device mounted on FR-4 substrate, 2"x2", 2 oz. copper, single-sided, pad layout as per Diodes Inc. suggested pad layout document AP02001 which can be found on our website at <http://www.diodes.com/datasheets/ap02001.pdf>. $R_{\theta JA}$ in range of 100-140°C/W.
 4. Maximum power dissipation when the device is mounted in accordance to the conditions described in Note 3.
 5. Maximum power dissipation when the device is mounted in accordance to the conditions described in Note 2.

Ordering Information (Note 6)

Device	Packaging	Shipping
MBRM5100-13	POWERMITE®3	5000/Tape & Reel

Notes: 6. For Packaging Details, go to our website at <http://www.diodes.com/datasheets/ap02007.pdf>.

Marking Information



MBRM5100 = Product type marking code
 D||| = Manufacturers' code marking
 YYWW = Date code marking
 YY = Last digit of year ex: 02 for 2002
 WW = Week code 01 to 52
 (K) = Factory Designator

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USE PDS5100

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