



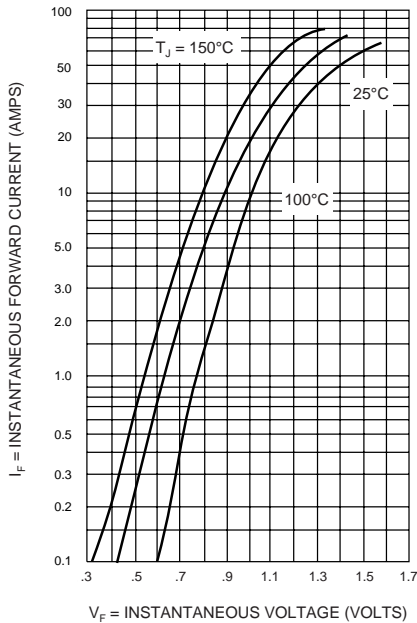
OM5204SC/RC/DC - OM5235SC/RC/DC

**ELECTRICAL CHARACTERISTICS** (Per Diode)

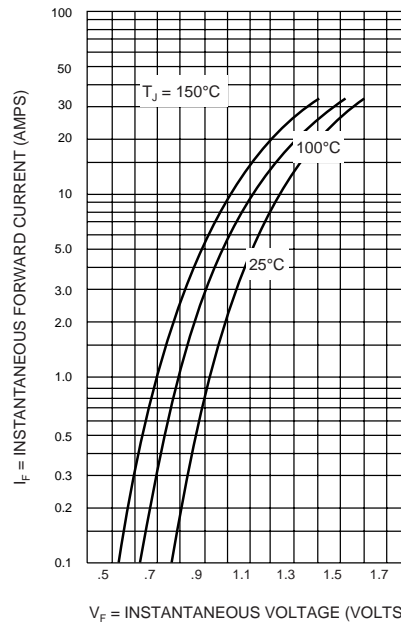
Type	PIV	Maximum Forward Voltage (Volts) @ <sup>(1)</sup>		Maximum Reverse Current @ PIV		Maximum Reverse Recovery Time (2)	Maximum Thermal Resist. $R_{\theta JC}$
		$T_j = 25^\circ\text{C}$	$T_j = 100^\circ\text{C}$	$T_j = 25^\circ\text{C}$	$T_j = 100^\circ\text{C}$		
OM5204XX	50	1.1 V @ 15 A	0.90 V @ 15 A	20 $\mu\text{A}$	1.0 mA	35 nsec	2.0
OM5205XX	100						
OM5206XX	150						
OM5218XX	200						
OM5219XX	300	1.35 V @ 15 A	1.15 V @ 15 A	20 $\mu\text{A}$	1.0 mA	50 nsec	1.8
OM5220XX	400						
OM5235XX	600	1.6 V @ 15 A	1.4 V @ 15 A	20 $\mu\text{A}$	2.0 mA	50 nsec	

(1) Pulse Test: Pulse Width = 300 $\mu\text{s}$ , Duty Cycle 2.0%. (2) Measured in Circuit:  $I_F = 0.5\text{ A}$ ,  $I_R = 1.0\text{ A}$ ,  $I_{REC} = 0.25\text{ A}$

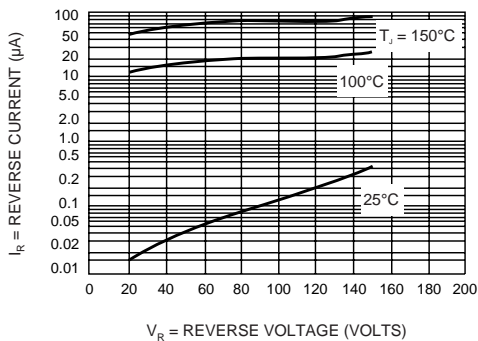
**50 V TO 200 V  
TYPICAL FORWARD VOLTAGE  
OM5204, 5205, 5206, 5218**



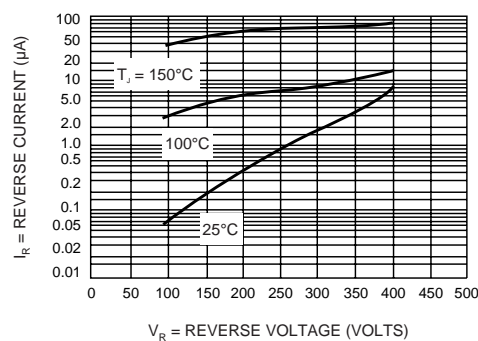
**300 V & 400 V  
TYPICAL FORWARD VOLTAGE  
OM5219, 5220**



**TYPICAL REVERSE CURRENT  
OM5204, 5205, 5206, 5218**



**TYPICAL REVERSE CURRENT  
OM5219, 5220, 5235**



3.2