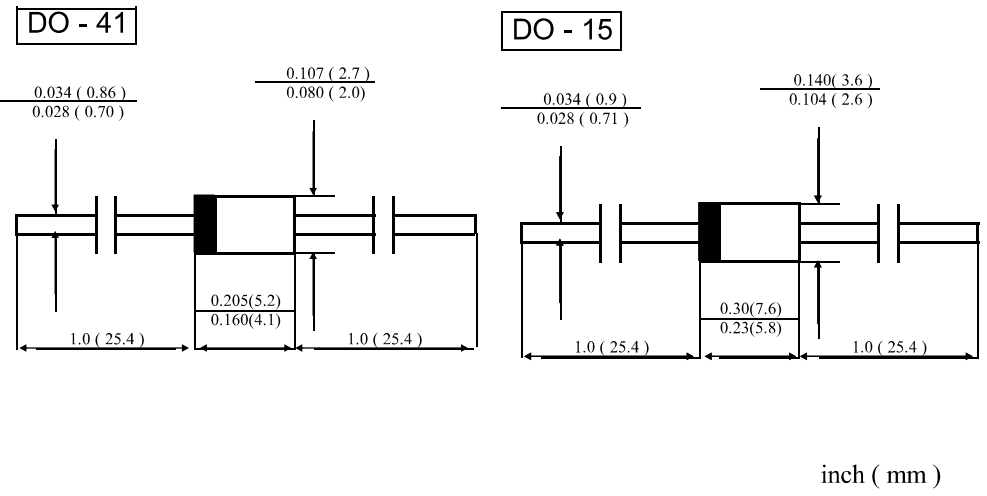


■外形尺寸和印记 Outline Dimensions and Mark



■特征 Features

- $I_o$  0.2A
- VRRM 4000V
- 耐正向浪涌电流能力高
- High surge current capability

■用途 Applications

- 整流用 Rectifier

■极限值 (绝对最大额定值)

Limiting Values (Absolute Maximum Rating)

参数名称 Item	符号 Symbol	单位 Unit	条件 Conditions	R			
				2000	3000	4000	5000
反向重复峰值电压 Repetitive Peak Reverse Voltage	$V_{RRM}$	V		2000	3000	4000	5000
正向平均电流 Average Forward Current	$I_{F(AV)}$	A	正弦半波 60Hz, 电阻负载, $T_a=50^\circ\text{C}$ 60Hz Half-sine wave, Resistance load, $T_a=50^\circ\text{C}$	0.2			
正向 (不重复) 浪涌电流 Surge (Non-repetitive) Forward Current	$I_{FSM}$	A	正弦半波 60Hz, 一个周期, $T_a=25^\circ\text{C}$ 60Hz Half-sine wave, 1 cycle, $T_a=25^\circ\text{C}$	30			
结温 Junction Temperature	$T_J$	$^\circ\text{C}$		-55~+125			
储存温度 Storage Temperature	$T_{STG}$	$^\circ\text{C}$		-55 ~ +150			

■电特性 (Ta=25°C 除非另有规定)

Electrical Characteristics ( $T_a=25^\circ\text{C}$  Unless otherwise specified)

参数名称 Item	符号 Symbol	单位 Unit	测试条件 Test Condition	最大值 Max		
正向峰值电压 Peak Forward Voltage	$V_{FM}$	V	$I_{FM}=0.2\text{A}$	3.0	4.0	5.0
反向峰值电流 Peak Reverse Current	$I_{RRM1}$	$\mu\text{A}$	$V_{RM}=V_{RRM}$	$T_a=25^\circ\text{C}$		
	$I_{RRM2}$			$T_a=100^\circ\text{C}$		
热阻 (典型) Thermal Resistance (Typical)	$R_{\theta J-A}$	$^\circ\text{C}/\text{W}$	结和环境之间 Between junction and ambient	130		

■ 特性曲线 (典型)

FIG. 1 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTIC

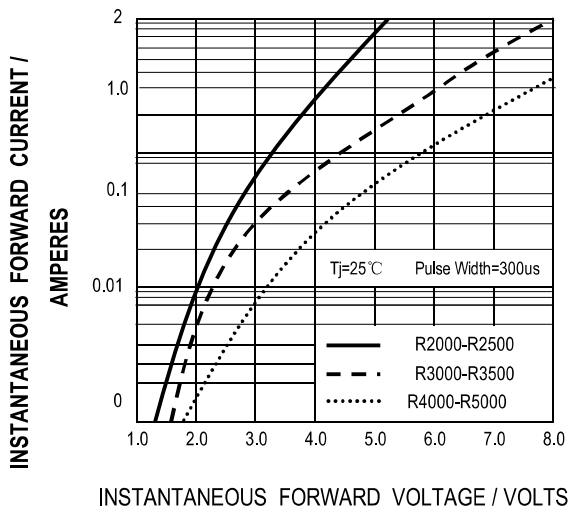


FIG. 2 - TYPICAL JUNCTION CAPACITANCE

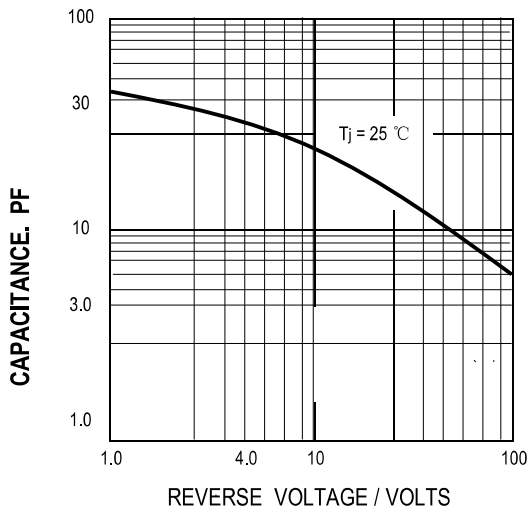


FIG. 3-- FORWARD CURRENT DERATING CURVE

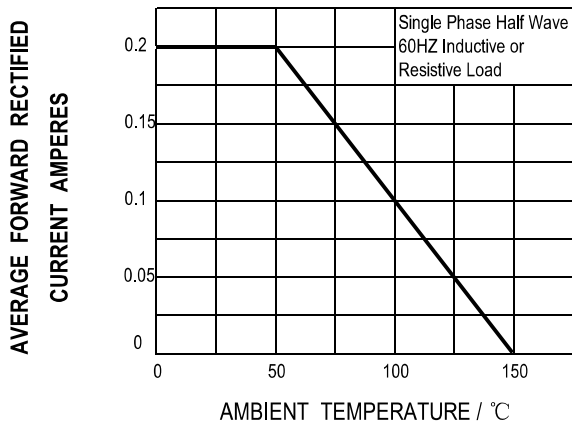


FIG. 4 - PEAK FORWARD SURGE CURRENT

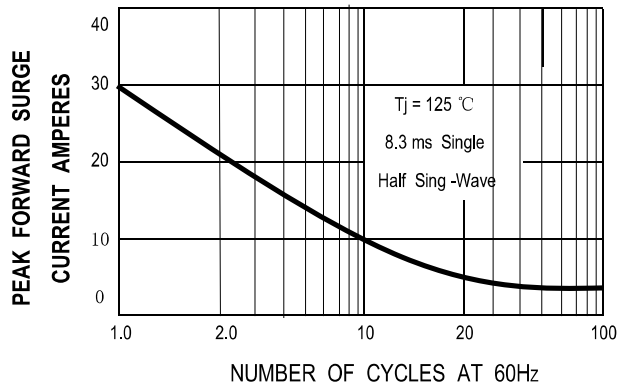


FIG.5-TYPICAL REVERSE CHARACTERISTICS

