

# AR/ARS3505 THRU AR/ARS3510

## AUTOMOTIVE OPEN JUNCTION BUTTON DIODES

### 特徵 FEATURES

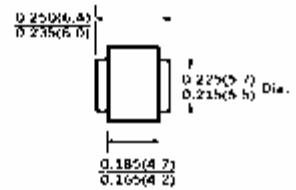
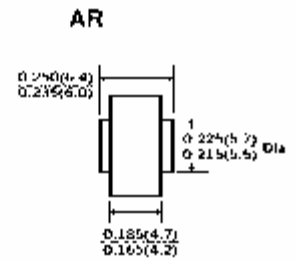
- 高浪涌承受能力。 High surge capability
- 低成本。 Low cost
- 擴散燒結。 Diffused junction
- 大電流承受能力。 High current capability
- 低漏電。 Low leakage
- 高溫焊接保證：250°C/10 秒。

High temperature soldering guaranteed :

250°C for 10 seconds

### 機械資料 MECHANICAL DATA

- 封裝：塑膠模型封裝。  
Case : Molded plastic case
- 端子：電鍍端子，軟焊性按照 MIL-STD-202 標準中，方法 208  
Terminals : Plated terminals, solderable per MIL-STD-202, method 208
- 極性：色環端為陰極。  
Polarity : Color band denotes cathode end
- 安裝位置：任意。 Mounting Position: Any
- 重量：1.8 克。 Weight: 1.8 grams



尺寸單位：inch(mm)

Dimension in inches (millimeters)

**極限值和電參數** TA=25°C 除非另有規定。

單相、正半弦波、60HZ、抗阻或電感負載。為電容裝載。

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C Ambient temp. unless otherwise specified.

Single phase, half sine wave, 60HZ, resistive or inductive load.

	SYMBOL	AR/ARS							UNIT S
		3505	351	352	354	356	358	3510	
最大峰值反向電壓 Maximum recurrent reverse voltage	VRRM	50	100	200	400	600	800	1000	Volts
最大 RMS 輸入電壓 Maximum RMS voltage	VRMS	35	70	140	280	420	560	700	Volts
最大直流阻斷電壓 Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	Volts
最大平均正向整流電流 Maximum average forward rectified current at Tc=125°C	I(AV)	35.0							Amps
正向峰值浪涌電流 Peak forward surge current single sine-wave on rated load (JEDEC Method)	IFSM	400							Amps
35.0A時最大正向瞬間電壓降 Maximum instantaneous forward voltage drop at 35A	VF	1.0							Volts
最大反向漏電流 Maximum DC reverse current at rated DC blocking voltage	IR	5.0 200.0							μA
典型的熱阻抗（接面環繞） Typical thermal resistance	RθJA	1.0							°C/W
典型的表面電容 Typical junction capacitance	CJ	300							pF
工作溫度和存儲溫度 Operating and Storage Temperature Range	TJ TSTG	-55 TO +150							°C
極性和電壓表示的色環 Polarity and voltage denotation color band		Red	Yellow	Silver	Orange	Green	Blue	Violet	

# RATING AND CHARACTERISTIC CURVES AR/ARS3505 THRU AR/ARS3510

FIG. 1- 輸出電流降額曲線  
FIG. 1 - DERATING CURVE FOR OUTPUT RECTIFIER CURRENT

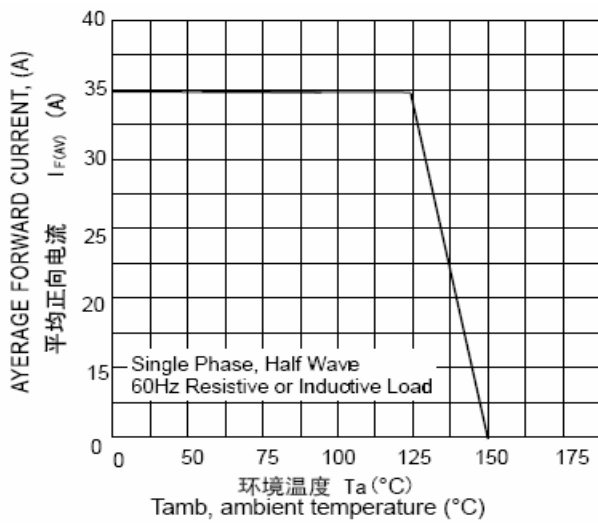


FIG. 2- 浪涌特性曲線 (最大值)  
FIG. 2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

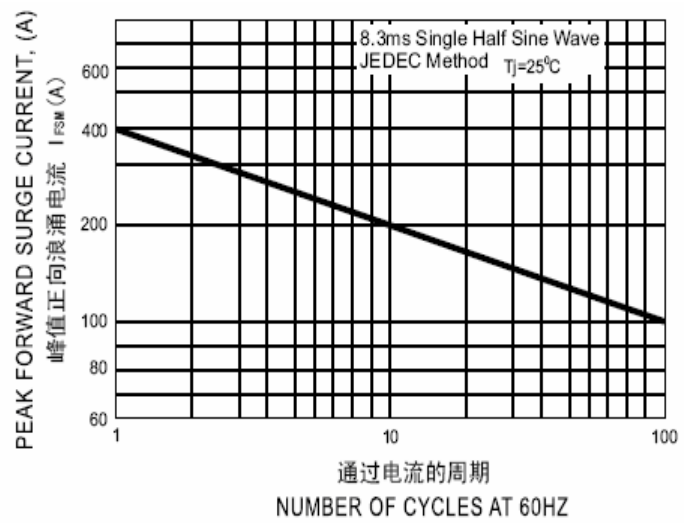


FIG. 3- 瞬間正向特性曲線(典型值)  
FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

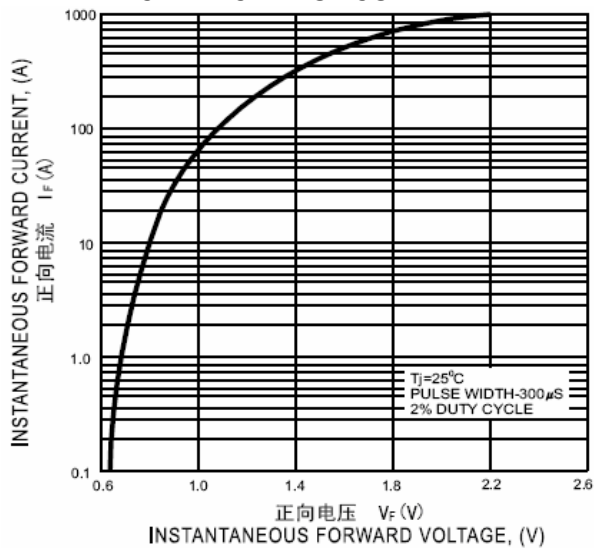


FIG. 4- 反向特性曲線(典型值)  
FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

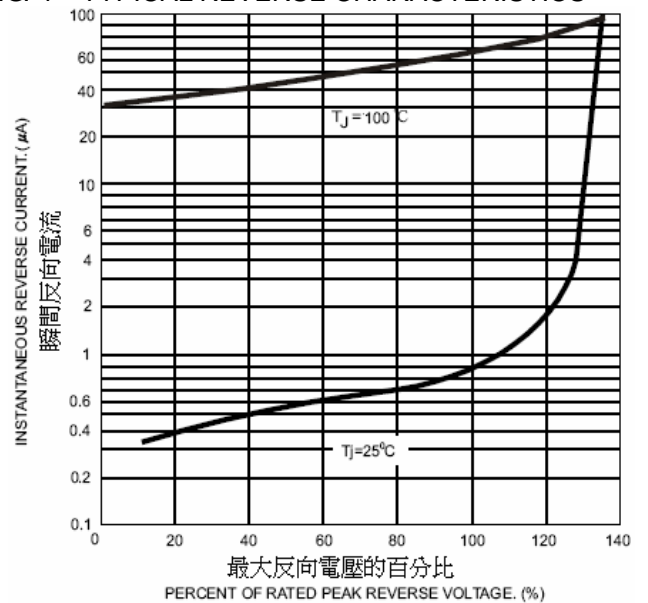


FIG. 5- 表面電容(典型值)  
FIG. 5 - TYPICAL JUNCTION CAPACITANCE

