



35A 1/2" PRESS-FIT DIODE

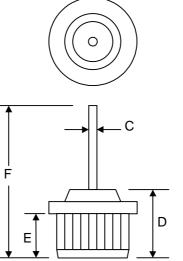
Anode +

Features

- Diffused Junction
- Low Leakage
- Low Cost
- High Surge Current Capability
- Typical IR less than 5.0µA

Mechanical Data

- Case: DO-21, Copper Case and Components Hermetically Sealed
- Terminals: Contact Areas Readily Solderable
 Polarity: Cathode to Case (Reverse Units Are
- Available Upon Request and Are Designated By A "R" Suffix, i.e. PF3502R or PF3504R)
- Polarity: Red Color Equals Standard, Black Color Equals Reverse Polarity
- Mounting Position: Any
- Lead Free: For RoHS / Lead Free Version, Add "-LF" Suffix to Part Number, See Page 2



А

DO-21					
Dim	Min	Max			
Α	15.77	15.97			
В	12.73	12.82			
С	1.25	1.31			
D	9.55	9.85			
Е	5.70	5.90			
F	28.00	—			
All Dimensions in mm					

Maximum Ratings and Electrical Characteristics @T_A=25°C unless otherwise specified

Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	PF3500	PF3501	PF3502	PF3503	PF3504	PF3505	PF3506	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	Vrrm Vrwm Vr	50	100	200	300	400	500	600	V
RMS Reverse Voltage	VR(RMS)	35	70	140	210	280	350	420	V
Average Rectified Output Current @T _c = 150°C	ю	35						А	
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	400					A		
Forward Voltage $@I_F = 35A$	VFM	1.0						V	
Peak Reverse Current $@T_A = 25^{\circ}C$ At Rated DC Blocking Voltage $@T_A = 100^{\circ}C$	Iгм	5.0 500					μA		
Typical Junction Capacitance (Note 1)	Cj	300					pF		
Typical Thermal Resistance (Note 2)	R⊕JC	1.2				°C/W			
Operating and Storage Temperature Range	Tj, Tsтg	-65 to +175				°C			

Note: 1. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

2. Thermal Resistance: Junction to case, single side cooled.

ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity			
PF3500	DO-21 Press-Fit	100 Units/Box			
PF3501	DO-21 Press-Fit	100 Units/Box			
PF3502	DO-21 Press-Fit	100 Units/Box			
PF3503	DO-21 Press-Fit	100 Units/Box			
PF3504	DO-21 Press-Fit	100 Units/Box			
PF3505	DO-21 Press-Fit	100 Units/Box			
PF3506	DO-21 Press-Fit	100 Units/Box			

1. Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.

2. To order Lead Free version (with Lead Free finish), add "-LF" suffix to part number above. For example, PF3500-LF.

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WARNING: DO NOT USE IN LIFE SUPPORT EQUIPMENT. WTE power semiconductor products are not authorized for use as critical components in life support devices or systems without the express written approval.

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We power your everyday.