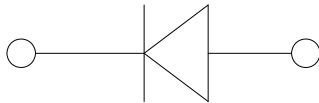
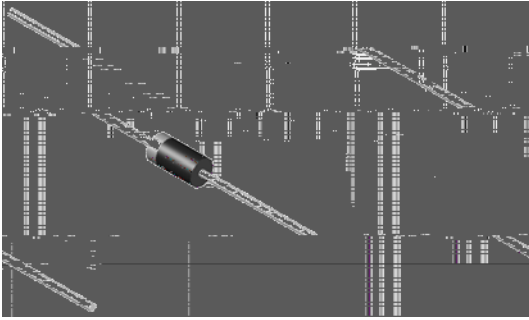


Fast Recovery Rectifier



Features

- X High efficiency
- X High current capability
- X High reliability
- X High surge current capability
- X Low power loss
- X Glass passivated chip junction
- X Solder dip 275 °C max, per JEDEC 22-B106

Mechanical Data

- ⌘Package:** DO-204AL(DO-41)
Molding compound meets UL 94 V-0 flammability rating ,
 RoHS-compliant
⌘Terminals: Tin plated leads , solderable per J-STD-002 and JESD22-B102
⌘Polarity:Color band denotes cathode end

■Maximum Ratings (Ta = 25°C)

PARAMETER	SYMBOL	UNIT	FR101G	FR102G	FR103G				
Maximum RMS Voltage	VRMS	V	35	70	140	280	420	560	700
Maximum DC blocking Voltage	VDC	V	50	100	200	400	600	800	1000
Average Forward Current @60Hz sine wave , Resistance load , Ta=75 °C	IF	A							
Reverse Leakage Current VR=VRMS, f=60Hz, Ta=75 °C	IR	μA							
Forward Voltage IF=10mA, Ta=75 °C	VF	V							
Power Dissipation Ta=75 °C	PD	W							
Thermal Resistance RJA	RJA	°C/W							
Operating Temperature Range	TO	°C							
Storage Temperature Range	TSTG	°C							
Maximum Soldering Temperature	TW	°C							
Maximum Reflow Soldering Temperature	TW	°C							

Electrical Characteristics $T_a = 25^\circ\text{C}$

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	FR101G	FR102G	FR103G	FR104G	FR105G	FR106G	FR107G
Maximum instantaneous forward voltage drop per diode	V _F	V	I _{FM} = 1.0A	1.3						
Maximum DC reverse current at rated DC blocking voltage per diode	I _R	μA	T _J = 25							
			T _M = 75							
Operating temperature	T _J	°C	T _J = 25	-55 to 125				-55 to 125		

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v7KHUPDO &KDUDÄF7WHUL8VQDHFVV RWKHUÄLVH VSHFLILHG

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7\SLFDO 7KHUPDO	5HVLW	DQF:H							

v2UGHULQJ ,QIRUPDWRQ

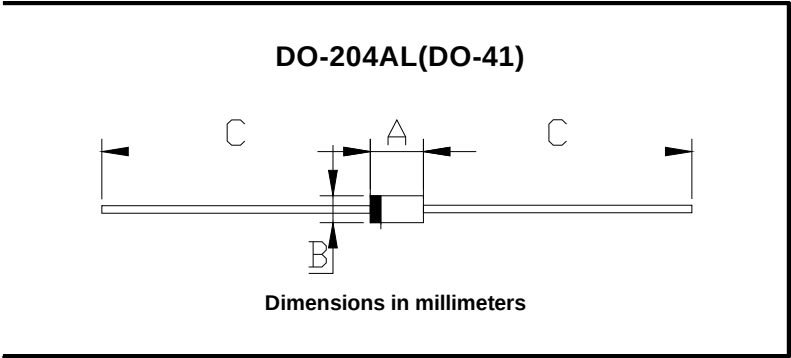
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)5 *a)5 *	'	\$SSUR[LPDWH				

7DSH

)5 *a)5 *



Outline Dimensions



DO-204AL(DO-41)		
Dim	Min	Max
A	4.22	5.21
B	2.03	2.72
C	25.4	/
D	0.6 9	0.86



FR101G THRU FR107G

Disclaimer
