

FR101 THRU FR107

Fast Recovery Rectifier

Essential information; basic information

Features

- High efficiency
- High current capability
- High reliability
- High surge current capability
- Low power loss
- Glass passivated chip junction
- Solder dip 265 ° C max. 5 s

Mechanical Data

- Package: DO-41
- Molding compound meets UL 94 V-0 flammability rating
- Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102
 - Polarity: Cathode line denotes the cathode end

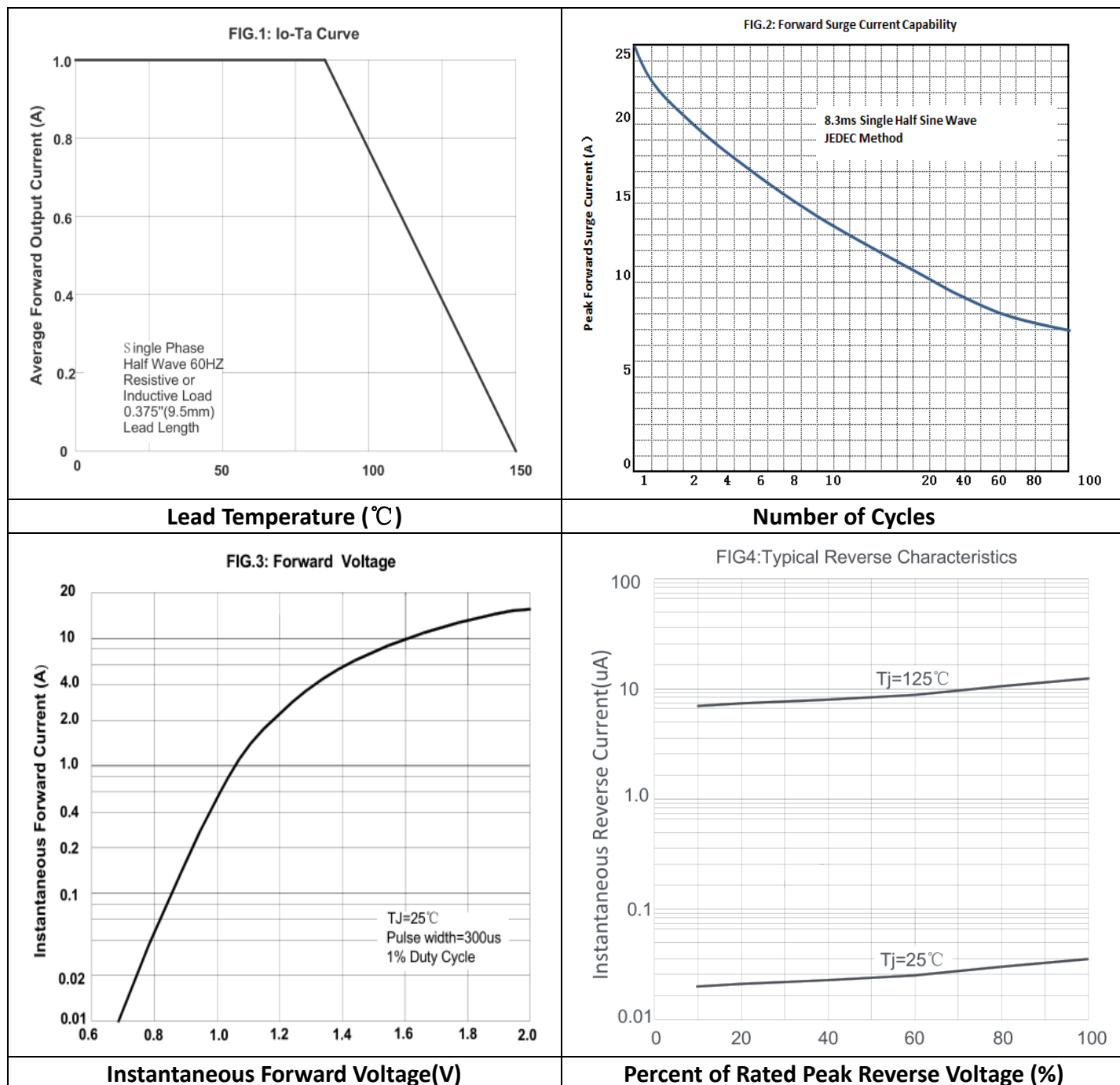


Maximum Ratings (Ta=25°C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	FR101	FR102	FR103	FR104	FR105	FR106	FR107
Maximum Repetitive peak reverse voltage	VRRM	V	50	100	200	400	600	800	1000
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 rectified output current@60Hz sine wave, resistance load, TL (Fig.1)	IO	A	1.0						
Maximum reverse recovery time（TRR）	IF=0.5A,IR=1.0A, Irr=0.25A	ns	150				500		
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, Tj=25℃	IFSM	A	25						
Storage temperature	Tstg	℃	-55 ~ +150						
Junction temperature	Tj	℃	-55 ~ +150						

PARAMETER	SYMBOL	UNIT	FR101	FR102	FR103	FR104	FR105	FR106	FR107
Maximum instantaneous forward voltage drop per diode	VF IFM=1.0A	V	1.35						
Maximum DC reverse current at rated DC blocking voltage per diode	IR Tj =25℃	μ A	5						
	IR Tj =125℃		100						

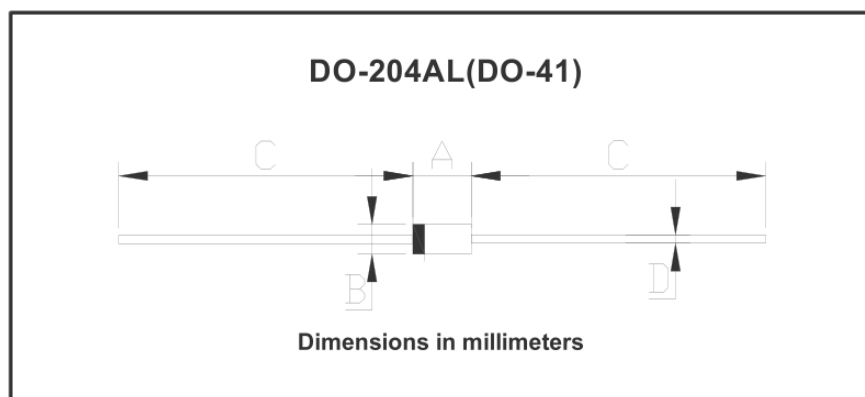
Characteristics (Typical)



Ordering Information (Example)

type specification	manner of packin	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
FR101- FR107 (DO-41)	T/B	5000	5000	50000	10 盒
	B/P	1000	1000	50000	50 盒

Outline Dimensions



DO-204AL(DO-41)

Dim	Min	Max
A	4.22	5.21
B	2.03	2.72
C	20	/
D	0.5	0.86

Disclaimer

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