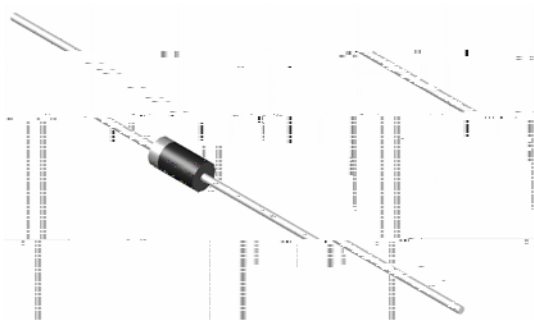


Typical Applications

For use in high frequency rectification and freewheeling application in switching mode converters and inverters for consumer, computer and telecommunication.

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 the cathode end

Maximum Ratings (Ta=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	SF19G
Device marking code			SF19G
Maximum Repetitive Peak Reverse Voltage	VRRM	V	800
Maximum RMS Voltage	VRMS	V	560
Maximum DC blocking Voltage	VDC	V	800
Average Forward Current @60Hz sine wave, Resistance load, Ta =60	IF(AV)	A	1.0
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25	IFSM	A	30
Current squared time @1ms≤t≤8.3ms Tj=25 Rating of per diode	I²t	A²s	3.735
Typical junction capacitance @ Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	Cj	pF	11

Storage Temperature

T

			SF19G j
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Maximum reverse recovery time	t _{rr}	ns	I _F =0.5A,I _R =1.0A, I _r =0.25A	35
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SF19G

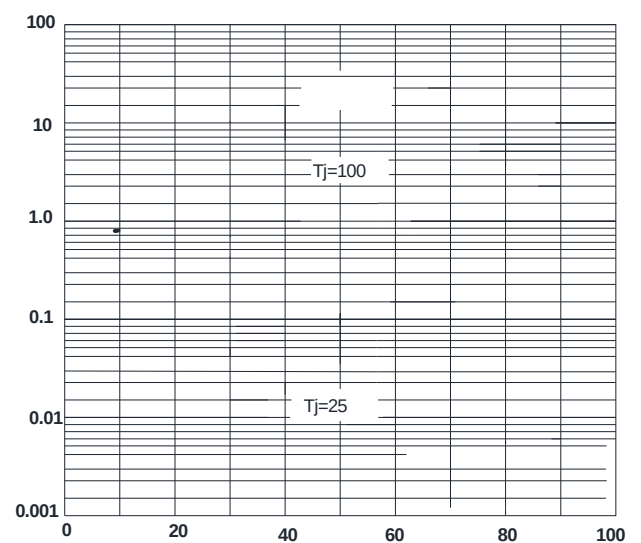
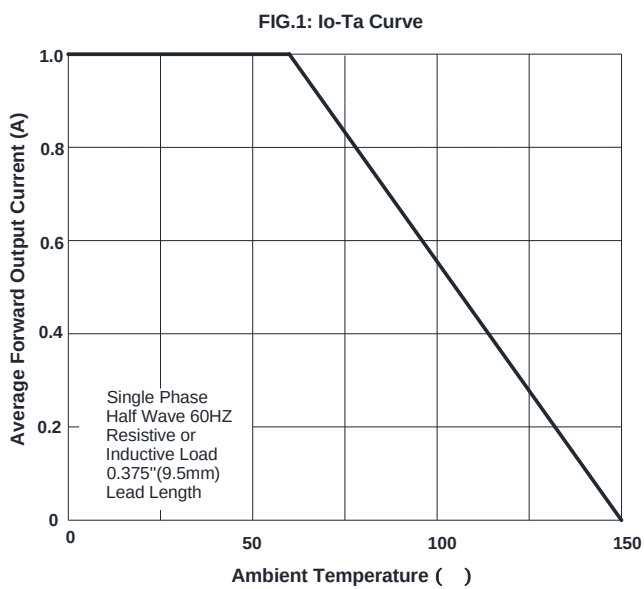
■ Thermal Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	SF19G
Typical Thermal Resistance	$R_{\theta J-A}$	/W	60

■ Ordering Information (Example)

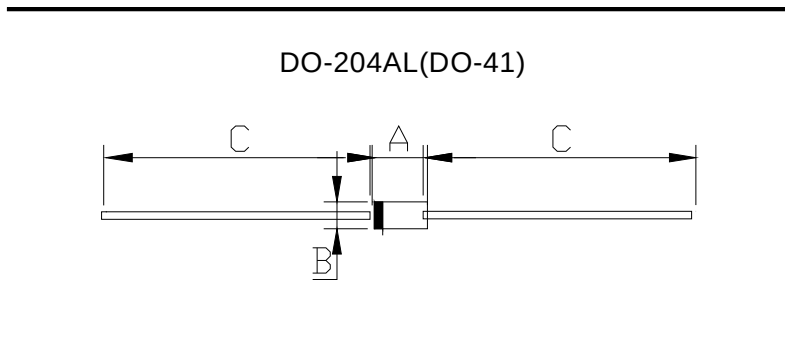
PREFERRED P/N	PACKAGE CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
SF19G	D1	Approximate 0.30	5000	5000	50000	Tape
SF19G	C1	Approximate 0.30	1000	1000	50000	Bulk

■ Characteristics(Typical)





■ Outline Dimensions



Dim	Min	Max
A	4.22	5.21
B	2.03	2.72
C	25.4	/
D	0.69	0.86



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