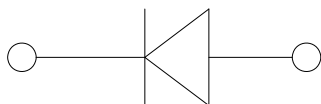


Typical Applications

For use in high frequency rectification of power supplies, inverters, converters, and freewheeling diodes for consumer and telecommunication.



Mechanical Data

Package: DO-214AA (SMB)

Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free

Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102

Polarity: Cathode line denotes the cathode end

Maximum Ratings ($T_a=25$ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	ES2A	ES2B	ES2C	ES2D	ES2F	ES2G	ES2H	ES2J	ES2K
Device marking code			ES2A	ES2B	ES2C	ES2D	ES2F	ES2G	ES2H	ES2J	ES2K
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	V	50	100	150	200	300	400	500	600	800
Maximum RMS Voltage	V_{RMS}	V	35	70	105	140	210	280	350	420	560
Maximum DC blocking Voltage	V_{DC}	V	50	100	150	200	300	400	500	600	800
Average rect	M	T_{stg}	-55 ~ +150								

Junction temperature	T_j		-55 ~ +150								
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Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	ES2A	ES2B	ES2C	ES2D	ES2F	ES2G	ES2H	ES2J	ES2K
Maximum instantaneous forward voltage	V_F	V	$I_{FM}=2.0A$	0.95				1.3		1.7		1.85
Maximum reverse recovery time	t_{rr}	ns	$I_F=0.5A, I_R=1.0A, I_{rr}=0.25A$	35								
Maximum DC reverse current at rated DC blocking voltage	I_R	μA	$T_j=25$	5.0								
			$T_j=125$	100								
Typical junction capacitance	C_j	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	31				17		12		12



ES2A THRU ES2K

Thermal Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	ES2A	ES2B	ES2C	ES2D	ES2F	ES2G	ES2H	ES2J	
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Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)
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ES2A THRU ES2K

Suggested pad layout

DO-214AA(SMB)	
Dim	Millimeters



ES2A THRU ES2K

Disclaimer

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