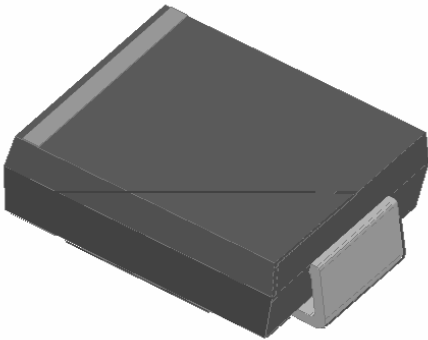
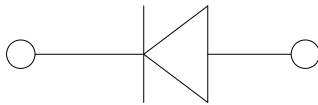




- Ultrafast reverse recovery time
- Low leakage current
- Low switching losses, high efficiency
- High forward surge capability
- Solder dip 260°C max. 10 s, per JESD 22-B106

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



- Package: DO-214AB (SMC)
- 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: Color band denotes the cathode end

■ (Ta=25 Unless otherwise specified)

Device marking code			ES5A	ES5B	ES5C	ES5D	ES5F	ES5G	ES5H	ES5J

Forward Surge Current (Non-repetitive)	55 ~ +150	o	A	5.0
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Junction Temperature	Tj		-55 ~ +150
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■ Ta=25 Unless otherwise specified

Maximum instantaneous forward voltage	VF	V	IFM=5.0A	0.95	1.3	1.7				
Maximum reverse recovery time	trr	ns	IF=0.5A, IR=1.0A, Irr=0.25A	35						
Maximum DC reverse current at rated DC blocking voltage	IR	μA	Tj =25	5						
			Tj =125	100						
Typical junction capacitance	Cj	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	75	37	35				



■ $T_a=25$ Unless otherwise specified

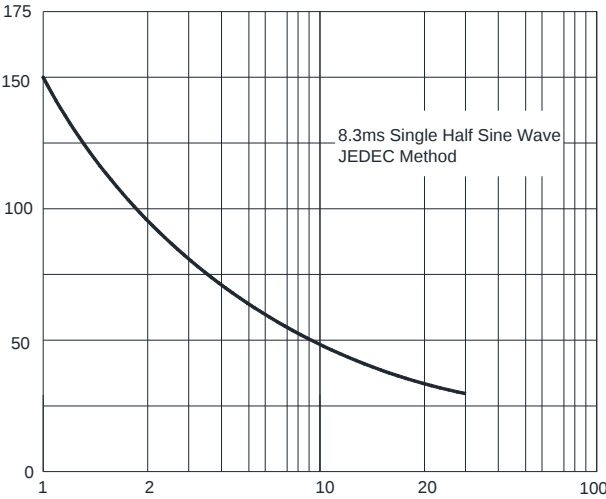
Typical Thermal Resistance	$R_{\theta JA}^{(1)}$	/W	50							
	$R_{\theta JL}^{(1)}$		15							
	$R_{\theta JC}^{(1)}$		12							

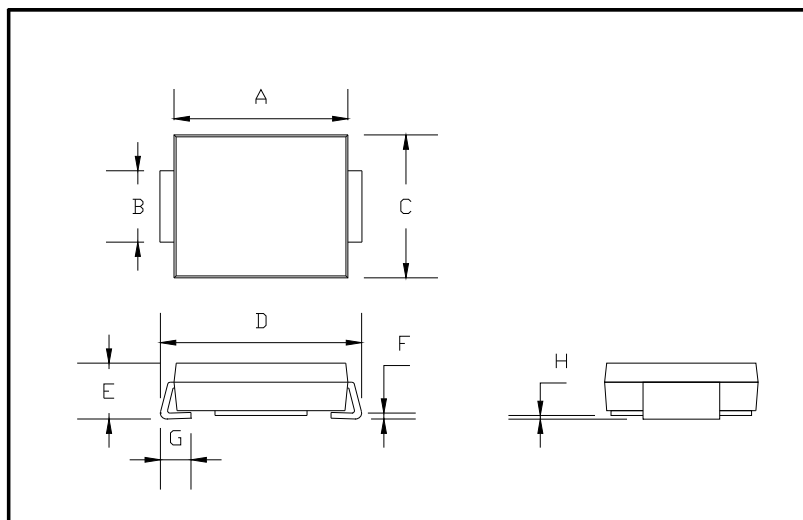
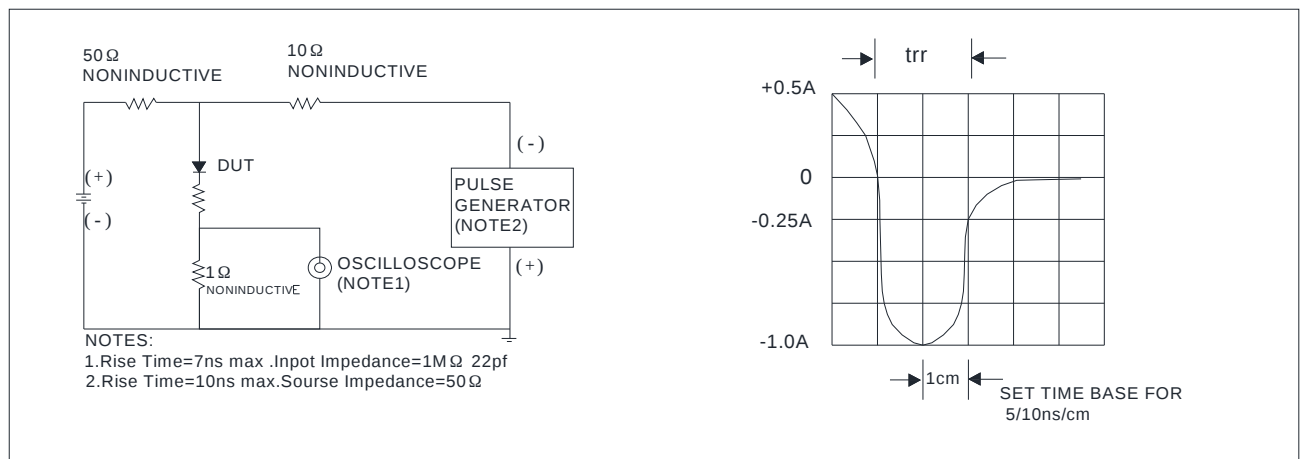
Note(1)
Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.6" x 0.6" (16 mm x 16 mm) copper pad areas

■ (Example)

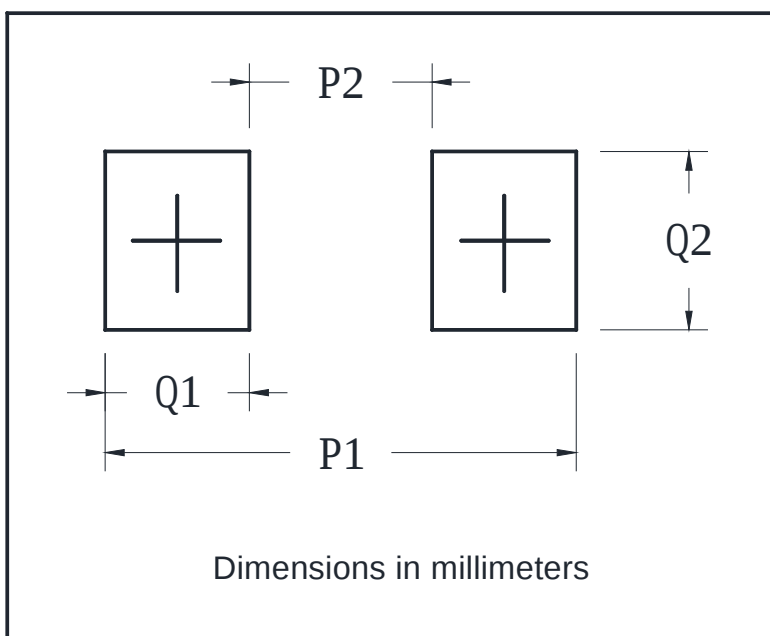
	F1	Approximate 0.254	3000	/	42000	13" reel

■ (Typical)





DO-214AB (SMC)		
Dim	Min	Max
A	6.60	7.11
B	2.85	3.27
C	5.59	6.22
D	7.75	8.13
E	1.99	2.61
F	0.15	0.31
G	0.76	1.52
H	0.05	0.20



Dim	Min
P1	9.9
P2	3.84
Q1	3.03
Q2	3.82



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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety