

Rating and Characteristic Curves (US1A-HF Thru. US1M-HF)

Fig.1 - Forward Current Derating Curve

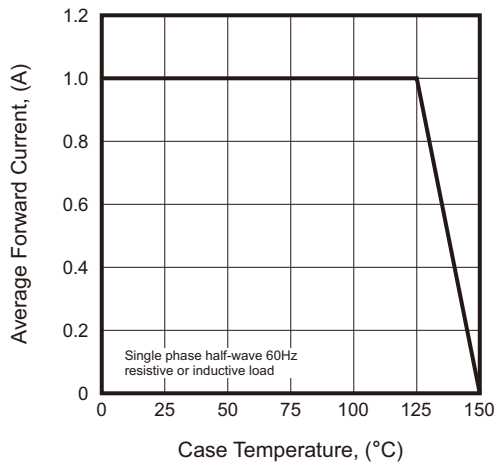


Fig.2 - Typical Reverse Characteristics

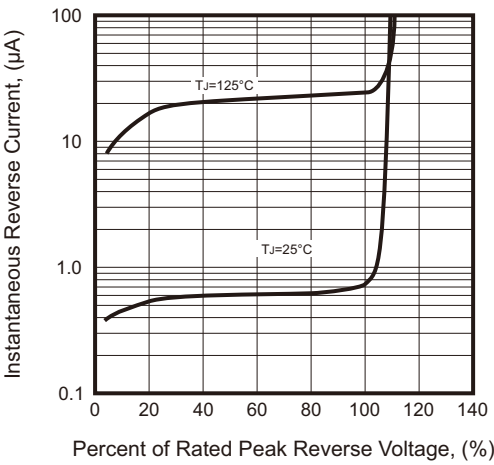


Fig.3 - Typical Forward Characteristic

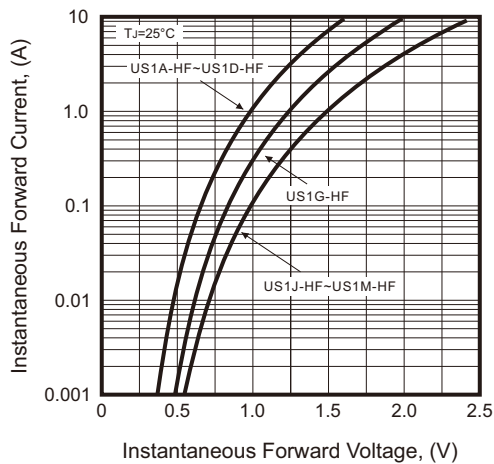


Fig.4 - Maximum Non-Repetitive Peak Forward Surge Current

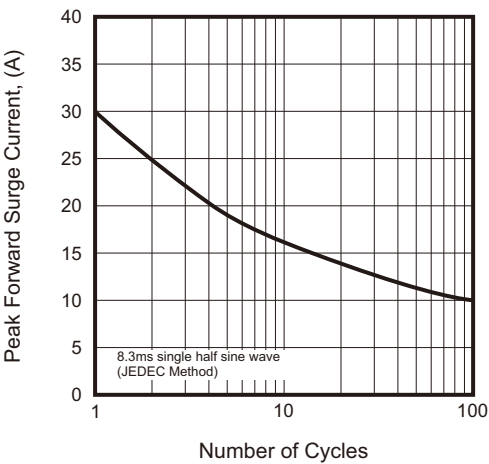


Fig.5 - Typical Transient Thermal Impedance

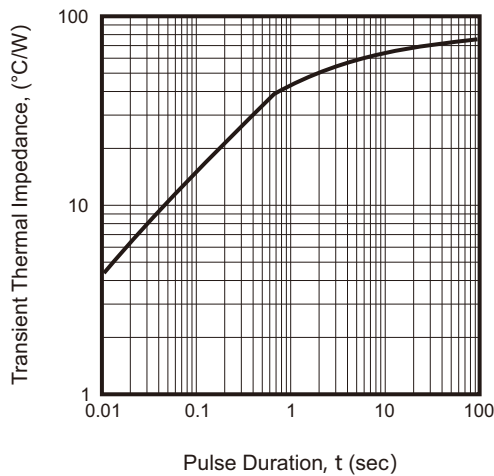
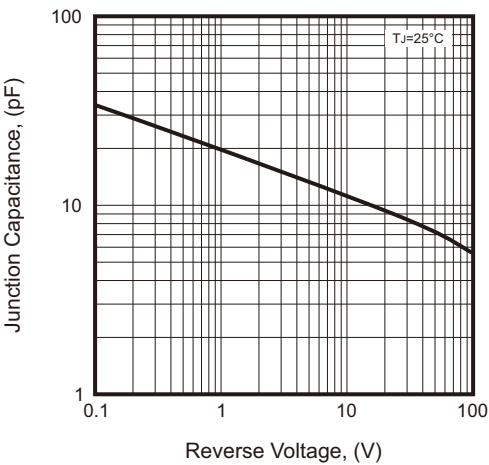
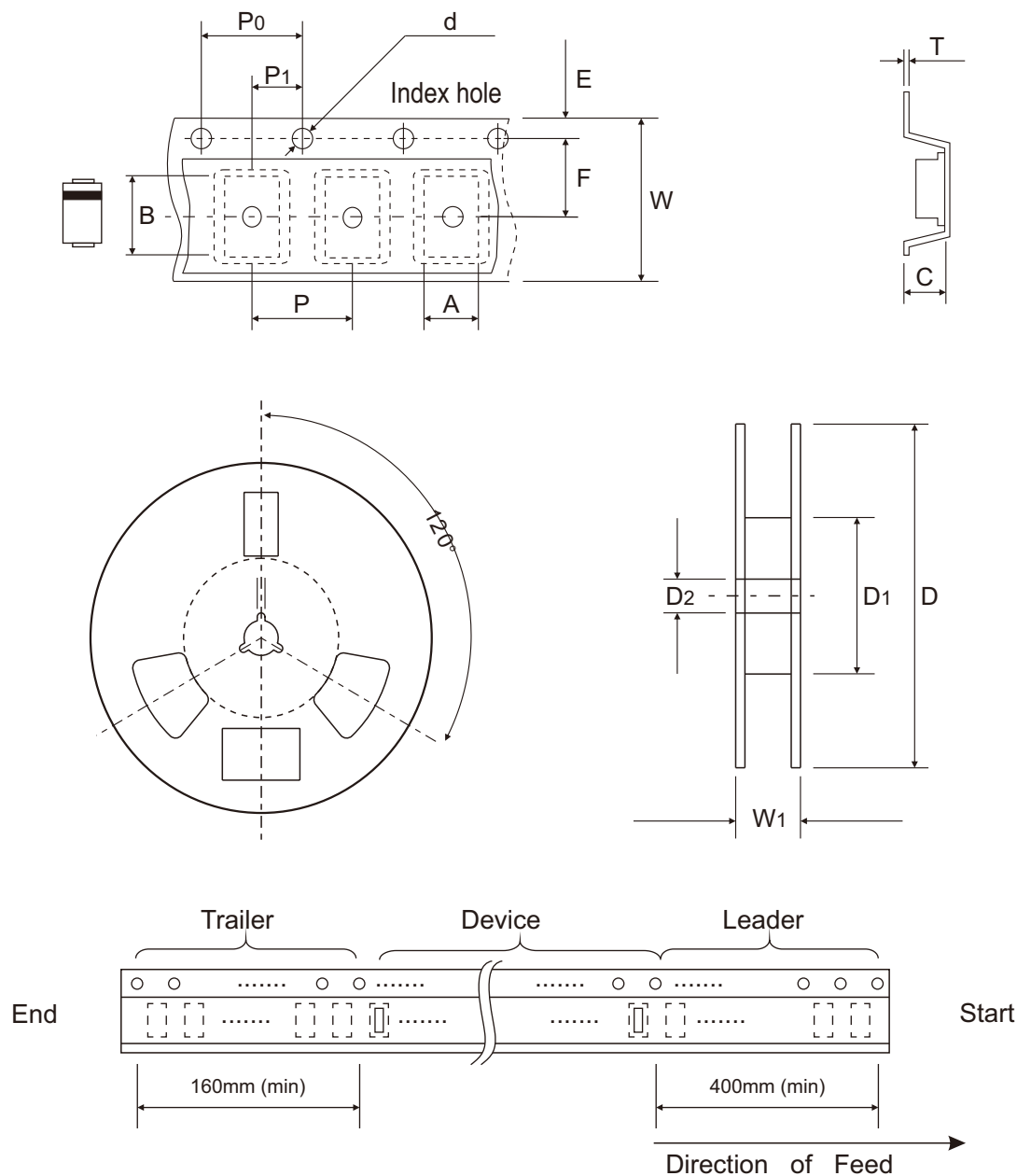


Fig.6 - Typical Junction Capacitance



Reel Taping Specification



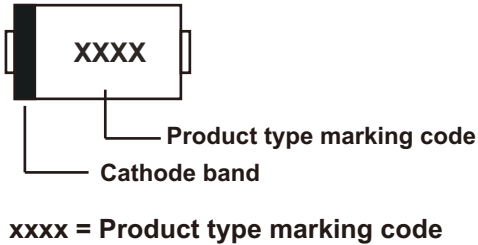
DO-214AC (SMA)	SYMBOL	A	B	C	d	D	D1	D2
	(mm)	2.70 ± 0.10	5.33 ± 0.10	2.35 ± 0.10	1.55 ± 0.05	330 ± 2.00	75.00 ± 1.00	13.00 ± 0.20
	(inch)	0.106 ± 0.004	0.210 ± 0.004	0.093 ± 0.004	0.061 ± 0.002	12.992 ± 0.079	2.953 ± 0.039	0.512 ± 0.008

DO-214AC (SMA)	SYMBOL	E	F	P	P0	P1	T	W	W1
	(mm)	1.75 ± 0.10	5.50 ± 0.05	4.00 ± 0.10	4.00 ± 0.10	2.00 ± 0.10	0.20 ± 0.03	12.00 ± 0.30	$14.70 + 2.00 - 1.00$
	(inch)	0.069 ± 0.004	0.217 ± 0.002	0.157 ± 0.004	0.157 ± 0.004	0.079 ± 0.004	0.008 ± 0.001	0.472 ± 0.012	$0.579 + 0.079 - 0.039$

Company reserves the right to improve product design , functions and reliability without notice.

Marking Code

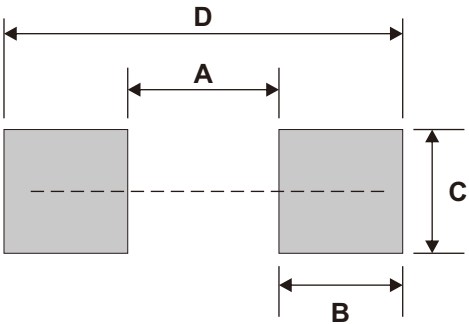
Part Number	Marking Code
US1A-HF	US1A
US1B-HF	US1B
US1D-HF	US1D
US1G-HF	US1G
US1J-HF	US1J
US1K-HF	US1K
US1M-HF	US1M



Suggested PAD Layout

SIZE	DO-214AC (SMA)	
	(mm)	(inch)
A	2.40	0.094
B	1.80	0.071
C	1.80	0.071
D	6.00	0.236

Note: 1. The pad layout is for reference purpose only.



Standard Packaging

Case Type	REEL PACK	
	REEL (pcs)	Reel Size (inch)
DO-214AC (SMA)	5,000	13