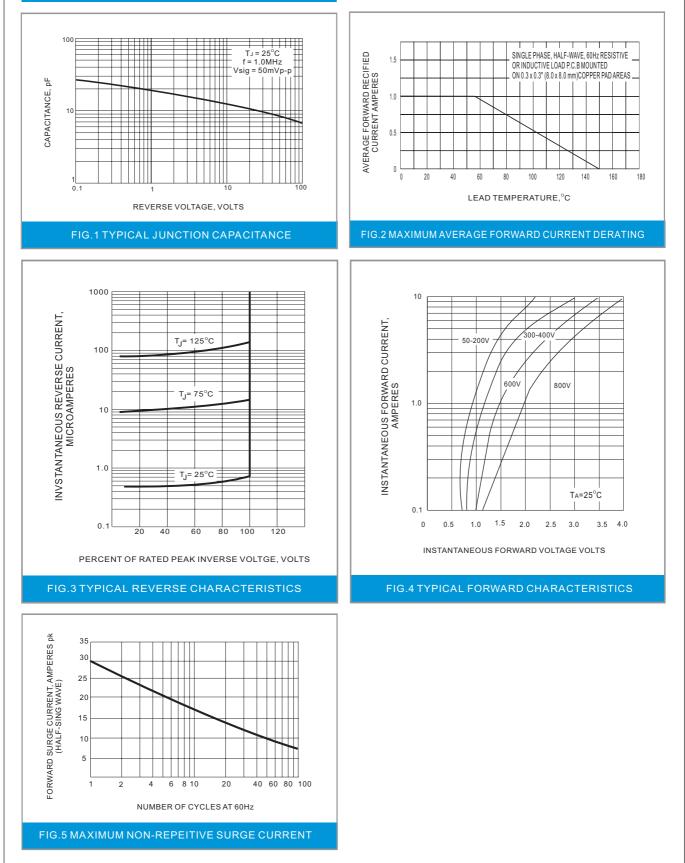
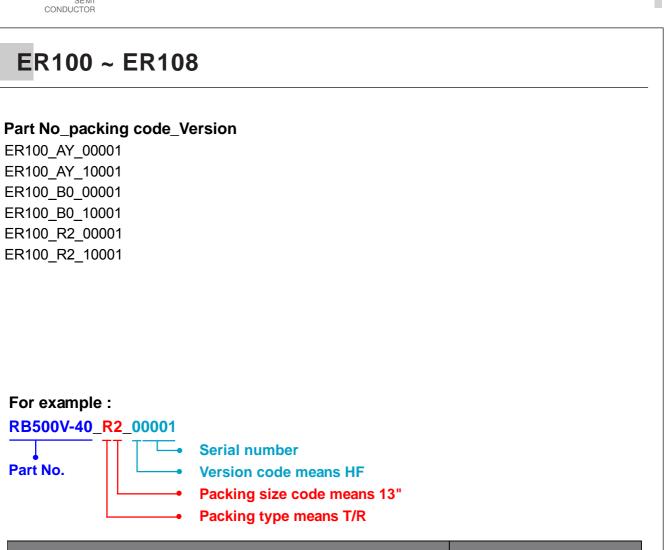
ER100 ~ ER108										
SUPERFAST RECOVERY RECTIFIERS										
	Ampere		DO	-41					Unit: inc	:h(mm)
FEATURES										
Plastic package has Underwriters Laboratories Flammability Classification 94V-O utilizing					1					
Flame Retardant Epoxy Molding Compound.					ż			034(.86)		
Superfast recovery times-epitaxial construction.					(4)MI					
 Low forward voltage, high current capability. 					1.0(25.4)MIN					
• Exceeds environmental standards of MIL-S-19500/228.										
Hermetically sealed.										
• Low leakage.					.205(5.2) .160(4.1)					
 High surge capability. Lead free in compliance with EU RoHS 2011/65/EU directi 	VO				.16	— <u>I</u> II				
• Lead free in compliance with EO ROHS 2011/05/EO directi	ve							107(2.7)		
MECHANICALDATA					MIN			080(2.0)		
Case: Molded plastic, DO-41.					1.0(25.4)MIN					
					- E					
• Terminals: Axial leads, solderable to MIL-STD-750, Method	2026				1.0					
Terminals: Axial leads, solderable to MIL-STD-750, MethodPolarity: Color Band denotes cathode end.	2026				1.0					
	2026				1.0					
Polarity: Color Band denotes cathode end.					1.0					
 Polarity: Color Band denotes cathode end. Mounting Position: Any Weight: 0.0118 ounce, 0.397 gram 										
 Polarity: Color Band denotes cathode end. Mounting Position: Any Weight: 0.0118 ounce, 0.397 gram MAXIMUM RATINGS AND ELECTRICAL CHARACTERI Ratings at 25°C ambient temperature unless otherwise specified. 		ER100	ER101	ER101A		ER103	ER104	ER106	ER108	UNITS
 Polarity: Color Band denotes cathode end. Mounting Position: Any Weight: 0.0118 ounce, 0.397 gram MAXIMUM RATINGS AND ELECTRICAL CHARACTERI Ratings at 25°C ambient temperature unless otherwise specified. Resistive or inductive load, 60Hz. PARAMETER	STICS	ER100 50	ER101 100	ER101A 150		ER103 300	ER104 400	ER106	ER108 800	UNITS
 Polarity: Color Band denotes cathode end. Mounting Position: Any Weight: 0.0118 ounce, 0.397 gram MAXIMUM RATINGS AND ELECTRICAL CHARACTERI Ratings at 25°C ambient temperature unless otherwise specified. Resistive or inductive load, 60Hz. PARAMETER Maximum Recurrent Peak Reverse Voltage 	STICS		-		ER102		-			
 Polarity: Color Band denotes cathode end. Mounting Position: Any Weight: 0.0118 ounce, 0.397 gram MAXIMUM RATINGS AND ELECTRICAL CHARACTERI Ratings at 25°C ambient temperature unless otherwise specified. Resistive or inductive load, 60Hz. PARAMETER Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage 	STICS	50	100	150	ER102 200	300	400	600	800	V
 Polarity: Color Band denotes cathode end. Mounting Position: Any Weight: 0.0118 ounce, 0.397 gram MAXIMUM RATINGS AND ELECTRICAL CHARACTERI Ratings at 25°C ambient temperature unless otherwise specified. Resistive or inductive load, 60Hz. PARAMETER Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward Current .375"(9.5mm) 	STICS SYMBOL V _{RRM} V _{RMS}	50 35	100 70	150 105	ER102 200 140	300 210 300	400 280	600 420	800 560	V V
 Polarity: Color Band denotes cathode end. Mounting Position: Any Weight: 0.0118 ounce, 0.397 gram MAXIMUM RATINGS AND ELECTRICAL CHARACTERI Ratings at 25°C ambient temperature unless otherwise specified. Resistive or inductive load, 60Hz. PARAMETER Maximum Recurrent Peak Reverse Voltage Maximum DC Blocking Voltage Maximum Average Forward Current .375"(9.5mm) ead length at T _A =55°C	STICS SYMBOL V _{RRM} V _{RMS} V _{DC}	50 35	100 70	150 105	ER102 200 140 200	300 210 300 0	400 280	600 420	800 560	V V V
 Polarity: Color Band denotes cathode end. Mounting Position: Any Weight: 0.0118 ounce, 0.397 gram MAXIMUM RATINGS AND ELECTRICAL CHARACTERI Ratings at 25°C ambient temperature unless otherwise specified. Resistive or inductive load, 60Hz. PARAMETER Maximum Recurrent Peak Reverse Voltage Maximum DC Blocking Voltage Maximum Average Forward Current .375"(9.5mm) ead length at T_A=55°C Peak Forward Surge Current : 8.3ms single half sine-wave uperimposed on rated load(JEDEC method) Maximum Forward Voltage at 1.0A 	STICS SYMBOL V _{RRM} V _{RMS} V _{DC} I _{F(AV)}	50 35	100 70 100	150 105	ER102 200 140 200 1.	300 210 300 0	400 280	600 420	800 560	V V V A
 Polarity: Color Band denotes cathode end. Mounting Position: Any Weight: 0.0118 ounce, 0.397 gram MAXIMUM RATINGS AND ELECTRICAL CHARACTERI Ratings at 25°C ambient temperature unless otherwise specified. Resistive or inductive load, 60Hz. PARAMETER Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward Current .375"(9.5mm) ead length at T _A =55°C Peak Forward Surge Current : 8.3ms single half sine-wave uperimposed on rated load(JEDEC method) Maximum DC Reverse Current T,=25°C	STICS SYMBOL V _{RRM} V _{RMS} V _{DC} I _{F(AV)}	50 35	100 70 100	150 105 150	ER102 200 140 200 1.	300 210 300 0 0 1.	400 280 400	600 420 600	800 560 800	V V V A A
 Polarity: Color Band denotes cathode end. Mounting Position: Any Weight: 0.0118 ounce, 0.397 gram MAXIMUM RATINGS AND ELECTRICAL CHARACTERI Ratings at 25°C ambient temperature unless otherwise specified. Resistive or inductive load, 60Hz. PARAMETER Maximum Recurrent Peak Reverse Voltage Maximum DC Blocking Voltage Maximum Average Forward Current .375"(9.5mm) ead length at T _A =55°C Peak Forward Surge Current : 8.3ms single half sine-wave uperimposed on rated load(JEDEC method) Maximum DC Reverse Current T _J =25°C t Ratimum DC Blocking Voltage T _J =100°C	STICS SYMBOL V _{RRM} V _{RMS} V _{DC} I _{F(AV)} I _{FSM} V _F	50 35	100 70 100	150 105 150	ER102 200 140 200 1. 30 31	300 210 300 0 0 1.	400 280 400	600 420 600	800 560 800	V V V A A V
 Polarity: Color Band denotes cathode end. Mounting Position: Any Weight: 0.0118 ounce, 0.397 gram MAXIMUM RATINGS AND ELECTRICAL CHARACTERI Ratings at 25°C ambient temperature unless otherwise specified. Resistive or inductive load, 60Hz. PARAMETER Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward Current .375"(9.5mm) ead length at T _A =55°C Peak Forward Surge Current : 8.3ms single half sine-wave uperimposed on rated load(JEDEC method) Maximum DC Reverse Current T _J =25°C t Rated DC Blocking Voltage T _J =100°C Typical Junction capacitance (Note 2)	STICS SYMBOL V _{RRM} V _{RMS} V _{DC} I _{F(AV)} I _{FSM} V _F	50 35	100 70 100	150 105 150	ER102 200 140 200 1. 30 31 31 31	300 210 300 0 0 1. 0 50 7	400 280 400	600 420 600	800 560 800	V V V A A A V µA pF ns
 Polarity: Color Band denotes cathode end. Mounting Position: Any Weight: 0.0118 ounce, 0.397 gram MAXIMUM RATINGS AND ELECTRICAL CHARACTERI Ratings at 25°C ambient temperature unless otherwise specified. Resistive or inductive load, 60Hz.	STICS SYMBOL V_{RRM} V_{RMS} V_{DC} $I_{F(AV)}$ I_{FSM} V_{F} I_{R}	50 35	100 70 100	150 105 150	ER102 200 140 200 1. 30 1. 15 1	300 210 300 0 0 1. 0 50 7 5	400 280 400	600 420 600	800 560 800	V V V A A V μA pF

ER100 ~ ER108

RATING AND CHARACTERISTIC CURVES







Packing Code XX					Version Code XXXXX				
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code			
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number			
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number			
Bulk Packing (B/P)	В	13"	2						
Tube Packing (T/P)	Т	26mm	X						
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y						
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U						
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D						





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