ʌ ȏ Õ ʰ‾ ǁ ʔ ı ɾ ᵇ ɔ я χ 83Y¢933Y ı* ᵇ ɔ ╚ χ 413D ı ʔ ʒ VPDI Ṃ Ł
Surface Mount Superfast Recovery Rectifier,Reverse Voltage:50 to600V,Forward Current:1.0A, SMAF thin package.

ד אַ ק ƀ ᑕ ı ɾ ᵇ Õ ʰ ʿH ƀ ȏ ı ṇ ﷺ ɬ ᵀ ﻷ ` UrKV ¨Yɲ 53442982HX ı گ ﷺ ˊ ˭ ˚ Ł ṇ ꜰ β
Features: Glass Passivated Chip Junction Fast reverse recovery time Lead free in comply with EU R0HS 2011/65/EU directives

/ Absolute Maximum Ratings(Ta=25)

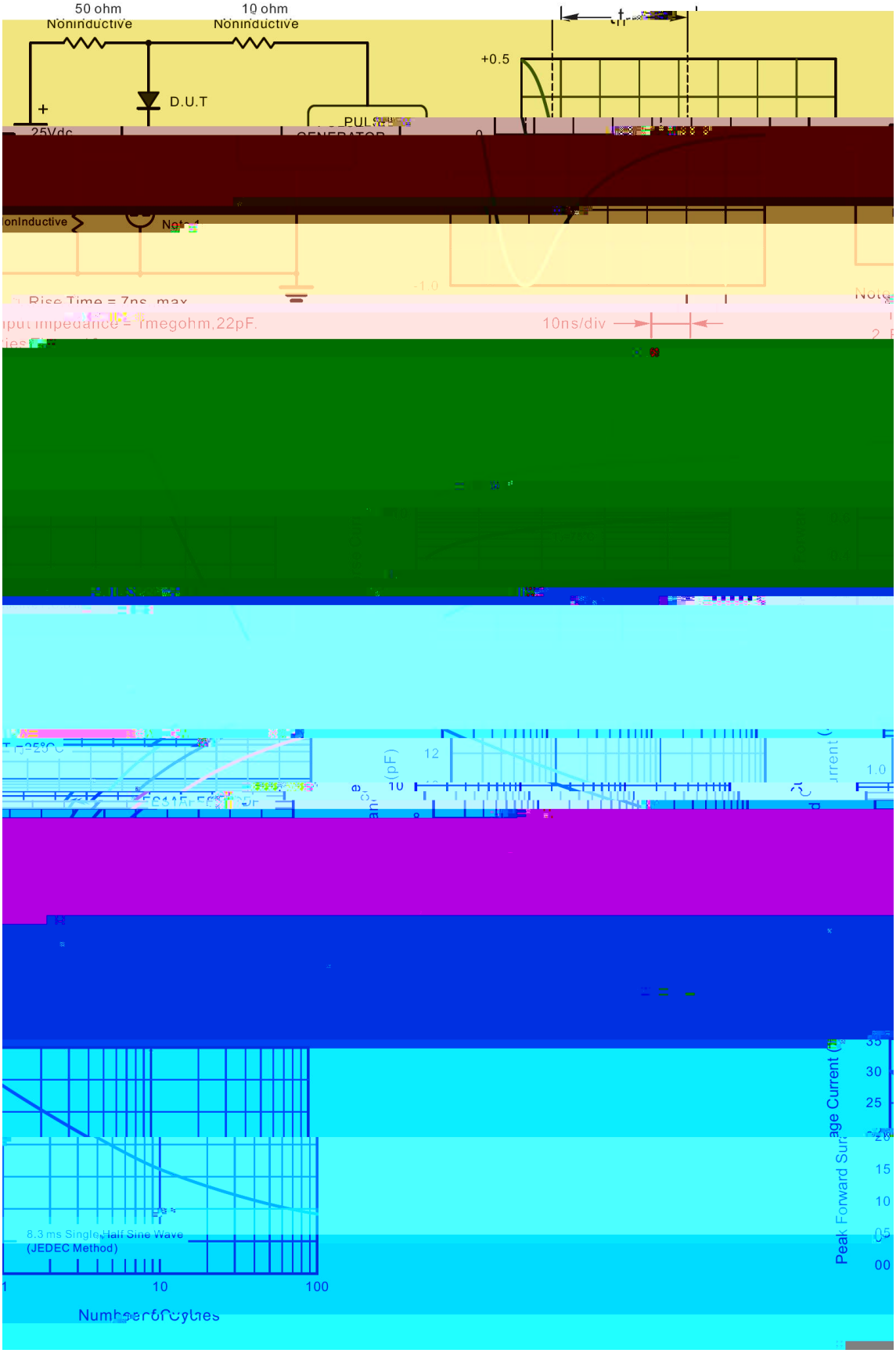
v Q Parameter	Symbol	Rating							Unit
		ES1AF	ES1BF	ES1CF	ES1DF	ES1EF	ES1GF	ES1JF	
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	50	100	150	200	300	400	600	V
Maximum RMS voltage	V_{RMS}	35	70	105	140	210	280	420	V
Maximum DC Blocking Voltage	V_{DC}	50	100	150	200	300	400	600	V
Maximum Average Forward Rectified Current at T_L= 100	$I_{F\ AV}$	1.0							A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	30							A
Typical Junction Capacitance at V_R =4V,f=1MHZ	C_j	10							pF
Typical Thermal Resistance [1]	$R_{\theta JA}$	115							/W
Operating and Storage Temperature Range	T_j,T_{stg}	-55~+150							

Note:
1 P.C.B. mounted with 0.2X0.2"(5X5 mm) copper pad areas.

/ Electrical Characteristics(Ta=25)

v Q Parameter	Symbol	Test Conditions	Rating							Unit
			ES1AF	ES1BF	ES1CF	ES1DF	ES1EF	ES1GF	ES1JF	
Maximum Forward Voltage	V_F	I_F=1.0A	1.0				1.25		1.65	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	T_a=25	5.0							μA
		T_a=125	100							μA
Maximum Reverse Recovery Time	t_{rr}	I_F=0.5A I_R=1.0A I_{rr}=0.25A	35							ns

/ Electrical Characteristic Curve



/ Marking Instructions

Marking

Type number	Marking code
ES1AF	ES1A
ES1BF	ES1B
ES1CF	ES1C
ES1DF	ES1D
ES1EF	ES1E
ES1GF	ES1G

/ Marking Instructions



ب ˝ χ

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Note:

HV4G χ Product Type Code

**** χ Lot No. Code ıThe 1st means:YM Code ıThe last 3 means:little Lot No Code